

# **Cinch Connectivity Solutions Limited**

**Annual report and financial statements**

**for the year ended 31 December 2024**

Registered number: 02086232

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**Cinch Connectivity Solutions Limited****Annual report and financial statements  
For the year ended 31 December 2024**

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# **Cinch Connectivity Solutions Limited**

## **Officers and Professional Advisers**

### **Directors**

P Bittner  
F Tuweiq  
S Martin (resigned 5 April 2024)  
L Hutkin (appointed 25 June 2025)

### **Secretary**

A Deacon  
S Martin (resigned 5 April 2024)

### **Registered office**

11 Bilton Road  
Chelmsford  
Essex  
CM1 2UP

### **Bankers**

Barclays PLC  
2 Churchill Place  
Canary Wharf  
London  
E14 5RB

### **Auditor**

Grant Thornton UK LLP  
Chartered Accountants & Statutory Auditor  
Priory Place  
New London Road  
Chelmsford  
Essex  
CM2 0PP

# Cinch Connectivity Solutions Limited

## Strategic report

The directors present their strategic report for the year ended 31 December 2024.

### Review of the business

The principal activity of the Company is the sale and manufacturing of Fibre Optic connectors and cable assemblies. The key markets are defence/aerospace, telecommunications, medical and commercial electronics sectors, commercial markets being predominantly serviced by distribution channels.

In the previous financial period the Company closed and relocated its Sudbury machine shop into our Chelmsford site, and made significant investment in new machinery, the benefits of reduced costs and improved efficiency were seen across the full year during 2024.

Turnover for the year was £11.8m (2023: £8.6m). Fibre Optic business increased to £10.5m (2023: £7.3m). Precision Components achieved sales of £1.2m (2023: £1.3m). The net assets of the business increased due to earnings made during the year exceeding dividend payments of £1.1m made to Cinch Connectors Limited. The company maintains a strong order book and as a result expects similar performance in 2025.

### Key performance indicators

Gross margin increased to 49.7% (2023: 42.8%) this due to costs reductions achieved from the business site consolidation and restructuring in the second half of the year.

EBITDA increased to 37.6% from 26.9% due to reduced costs following the site consolidation. 2024 EBITDA was £4.4m (2023: £2.3m) and the company had net assets of £7.0m (2023: £5.0m). This EBITDA was equivalent to 63.3% (2023: 46.0%) of the company's net assets. EBITDA is calculated as operating profit, adjusted for depreciation, amortisation, restructuring and severance.

### Principal risks and uncertainties

The Company is exposed through the normal course of trading to certain financial risks such as price risk, currency risk and credit risk. The Company does not use derivative financial instruments in the course of its activities, or for speculative purposes.

#### Price risk

Commodity price risk is currently not seen as a significant issue as the majority of the Company's raw material purchases do not fluctuate significantly as base prices rise and fall. This said the Company does keep a tight control on material costs in order to remain competitive.

#### Currency risk

The Company is exposed to currency risk through trading with both its customers and suppliers. The Company has a hedging policy to match where possible related income and expense in the same denominated foreign currency. The company had no derivatives at the year end (2023: same).

#### Credit risk

The Company is exposed to credit risk due to counterparties failing to meet all or part of their obligations. All customers are subject to credit verification and all outstanding balances are monitored on an ongoing basis.

Management is responsible for identification, assessment and control of credit risk and reporting it in accordance with Company policy. The Company's credit risk is spread across a large number of counterparties.

# Cinch Connectivity Solutions Limited

## Strategic report

### Climate change uncertainty

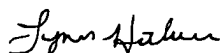
Greenhouse gas ("GHG") emissions have increasingly become the subject of substantial international attention. GHG emission regulations have been promulgated in certain of the jurisdictions in which we sell, and additional GHG requirements are in various stages of development. Such measures could require us to obtain new permits, implement additional pollution control technology, or increase our operating costs. Any additional regulation of GHG emissions, including a cap-and-trade system, technology mandate, emissions tax, reporting requirement or other program, could adversely affect our business. While the uncertainties of climate change legislation are acknowledged the company believes it could expedite equipment replacement and provide new business opportunities.

### Future developments

During 2024 we saw the full benefit of reduced costs and headcount following the closure and relocation of our Sudbury machine shop into our existing Chelmsford site in May 2023, alongside new equipment purchased in 2023 this made the whole operation more efficient and productive as well as enabling us to insource further parts and supply the needs of other group companies and expand our Fibre product range, a process which is ongoing. The Company is planning to expand its user base through the appointment of new Distribution channels to fully leverage these significant investments. Continued coordination with other group companies will provide further business opportunities as the Company takes advantage of a wide pool of resources located throughout the globe.

There are no significant events since the balance sheet date.

Approved by the Board and signed on its behalf by:



L Hutkin  
Director

Date: 23/7/2025

# Cinch Connectivity Solutions Limited

## Directors' report

The directors present their report and the financial statements for the year ended 31 December 2024. The Company's principal activities, review of business, risks and uncertainties, and future developments are set out in the Strategic Report on pages 2 and 3, where future plans for new Distribution channels are explained.

### Going concern

Having reviewed cash flow forecasts for the company, the directors have a reasonable expectation that the Company have adequate resources to continue in operational existence for at least 12 months from the date of approval of the financial statements. Thus they continue to adopt the going concern basis in preparing the annual financial statements.

Further details regarding the adoption of the going concern basis can be found in the notes to the financial statements commencing on page 13.

### Dividends

Dividends totalling £1,100,000 were paid during the year (2023: £1,300,000). No further dividends are proposed.

### Directors

The directors, who served during the year and up to the date of this report, were:

P Bittner

S Martin (resigned 5 April 2024)

F Tuweiq

L Hutkin (appointed 25 June 2025)

### Directors' indemnities

There are no qualifying third-party indemnity provisions.

### Political Donations

There were no political donations during the year.

### Post balance sheet events

There were no significant post balance sheet events.

### Disclosure of information to auditor

The directors confirm that:

- so far as each director is aware, there is no relevant audit information of which the Company's auditor is unaware, and
- the directors have taken all the steps that they ought to have taken as directors in order to make themselves aware of any relevant audit information and to establish that the Company's auditor is aware of that information.

### Auditor

The auditor, Grant Thornton UK LLP, will be proposed for reappointment in accordance with section 485 of the Companies Act 2006.

## Cinch Connectivity Solutions Limited

### Directors' responsibilities statement

The directors are responsible for preparing the Annual Report and the financial statements in accordance with applicable law and regulations.

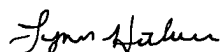
Company law requires the directors to prepare financial statements for each financial year. Under that law the directors have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law), including FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland". Under company law the directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs and profit or loss of the company for that period.

In preparing these financial statements, the directors are required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Company will continue in business; and
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements.

The directors are responsible for keeping adequate accounting records that are sufficient to show and explain the Company's transactions and disclose with reasonable accuracy at any time the financial position of the Company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Approved by the Board and signed on its behalf by:



L Hutkin  
Director

Date: 23/7/2025

## **Independent auditor's report to the members of Cinch Connectivity Solutions Limited**

### **Opinion**

We have audited the financial statements of Cinch Connectivity Solutions Limited (the 'company') for the year ended 31 December 2024, which comprise the profit and loss account, the balance sheet, the statement of changes in equity and notes to the financial statements, including a summary of significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 'The Financial Reporting Standard applicable in the UK and Republic of Ireland' (United Kingdom Generally Accepted Accounting Practice).

In our opinion:

- the financial statements give a true and fair view of the state of the company's affairs as at 31 December 2024 and of its profit for the year then ended;
- the financial statements have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- the financial statements have been prepared in accordance with the requirements of the Companies Act 2006.

### **Basis for opinion**

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the 'Auditor's responsibilities for the audit of the financial statements' section of our report. We are independent of the company in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### **Conclusions relating to going concern**

We are responsible for concluding on the appropriateness of the directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify the auditor's opinion. Our conclusions are based on the audit evidence obtained up to the date of our report. However, future events or conditions may cause the company to cease to continue as a going concern.

In our evaluation of the directors' conclusions, we considered the inherent risks associated with the company's business model including effects arising from macro-economic uncertainties such as the cost of living crisis and the inflationary environment, we assessed and challenged the reasonableness of estimates made by the directors and the related disclosures and analysed how those risks might affect the company's financial resources or ability to continue operations over the going concern period.

In auditing the financial statements, we have concluded that the directors' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the company's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the directors with respect to going concern are described in the relevant sections of this report.

## **Independent auditor's report to the members of Cinch Connectivity Solutions Limited**

### **Other information**

The other information comprises the information included in the annual report and financial statements, other than the financial statements and our auditor's report thereon. The directors are responsible for the other information contained within the annual report and financial statements. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether there is a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

### **Opinions on other matters prescribed by the Companies Act 2006**

In our opinion, based on the work undertaken in the course of the audit:

- the information given in the Strategic Report and the Directors' Report for the financial year for which the financial statements are prepared is consistent with the financial statements; and
- the Strategic Report and the Directors' Report have been prepared in accordance with applicable legal requirements.

### **Matter on which we are required to report under the Companies Act 2006**

In the light of the knowledge and understanding of the company and its environment obtained in the course of the audit, we have not identified material misstatements in the Strategic Report or the Directors' Report.

### **Matters on which we are required to report by exception**

We have nothing to report in respect of the following matters in relation to which the Companies Act 2006 requires us to report to you if, in our opinion:

- adequate accounting records have not been kept, or returns adequate for our audit have not been received from branches not visited by us; or
- the financial statements are not in agreement with the accounting records and returns; or
- certain disclosures of directors' remuneration specified by law are not made; or
- we have not received all the information and explanations we require for our audit.

### **Responsibilities of directors**

As explained more fully in the Directors' Responsibilities Statement, the directors are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the directors determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the directors are responsible for assessing the company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the company or to cease operations, or have no realistic alternative but to do so.

## Independent auditor's report to the members of Cinch Connectivity Solutions Limited

### Auditor's responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below:

- We obtained an understanding of the legal and regulatory frameworks that are applicable to the Company. We determined that the following laws and regulations are most significant: Companies Act 2006, Financial Reporting Standard 102 'The Financial Reporting Standard applicable in the UK and Republic of Ireland. In addition, we concluded that there are certain significant laws and regulations that may have an effect on the determination of the amounts and disclosures in the financial statements and those laws and regulations relating to the taxation laws;
- We obtained an understanding of how the company is complying with those legal and regulatory frameworks by making inquiries of management. We corroborated our inquiries through our review of board minutes;
- We enquired of management, whether they were aware of any instances of non-compliance with laws and regulations or whether they had any knowledge of actual, suspected or alleged fraud. We corroborated this through our review of professional fees incurred during the year;
- We assessed the susceptibility of the company's financial statements to material misstatement, including how fraud might occur by evaluating management's incentives and opportunities for manipulation of the financial statements. This included the evaluation of the risk of management override of controls and through manipulation of accounting estimates. Audit procedures performed by the audit engagement team included:
  - Identifying and assessing the design and implementation of controls management has in place to prevent and detect fraud;
  - Challenging assumptions and judgements made by management in making its significant accounting estimates; and
  - Identifying and testing journal entries, in particular any unusual journal entries recorded in the general ledger and other adjustments made in the preparation of the financial statements.
- We communicated relevant laws and regulations and potential fraud risks to all engagement team members and remained alert to any indications of fraud or non-compliance with laws and regulations throughout the audit;
- These audit procedures were designed to provide reasonable assurance that the financial statements were free from fraud or error. The risk of not detecting a material misstatement due to fraud is higher than the risk of not detecting one resulting from error and detecting irregularities that result from fraud is inherently more difficult than detecting those that result from error, as fraud may involve collusion, deliberate concealment, forgery or intentional misrepresentations. Also, the further removed non-compliance with laws and regulations is from events and transactions reflected in the financial statements, the less likely we would become aware of it;
- The engagement lead's assessment of the appropriateness of the collective competence and capabilities of the engagement team included consideration of the engagement team's:
  - Understanding of, and practical experience with audit engagements of a similar nature and complexity through appropriate training and participation;
  - Knowledge of the industry in which the client operates; and
  - Understanding of the legal and regulatory requirements specific to the entity including the provisions of the applicable legislation, the regulators rules and related guidance, including guidance issued by relevant authorities that interprets those rules, the applicable statutory provisions

## **Independent auditor's report to the members of Cinch Connectivity Solutions Limited**

### **Auditor's responsibilities for the audit of the financial statements (continued)**

- We communicated relevant laws and regulations and potential fraud risks to all engagement team members and remained alert to any indications of fraud or non-compliance with laws and regulations throughout the audit.

A further description of our responsibilities for the audit of the financial statements is located on the Financial Reporting Council's website at: [www.frc.org.uk/auditorsresponsibilities](http://www.frc.org.uk/auditorsresponsibilities). This description forms part of our auditor's report.

### **Use of our report**

This report is made solely to the company's members, as a body, in accordance with Chapter 3 of Part 16 of the Companies Act 2006. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members as a body, for our audit work, for this report, or for the opinions we have formed.

*Archie Rwavazhinji*

Archie Rwavazhinji  
Senior Statutory Auditor  
for and on behalf of Grant Thornton UK LLP  
Statutory Auditor, Chartered Accountants

Chelmsford

Date: 23/7/2025

## Cinch Connectivity Solutions Limited

### Profit and loss account

For the year ended 31 December 2024

	Note	2024 £'000	2023 £'000
<b>Turnover</b>	3	11,810	8,589
Cost of sales		(5,939)	(4,915)
<b>Gross profit</b>		5,871	3,674
Administrative expenses		(1,813)	(1,915)
<b>Operating profit</b>		4,058	1,759
Finance costs	4	34	(1)
<b>Profit before taxation</b>	5	4,092	1,758
Tax on profit	9	(1,022)	(454)
<b>Profit for the financial year attributable to the equity shareholders of the Company</b>		<u>3,070</u>	<u>1,304</u>

All activities derive from continuing operations.

There were no elements of other comprehensive income or expense for either year other than those stated in the profit and loss account. Accordingly, a statement of other comprehensive income is not presented.

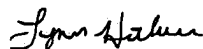
## Cinch Connectivity Solutions Limited

### Balance sheet

At 31 December 2024

	Note	2024 £'000	2023 £'000
<b>Fixed assets</b>			
Intangible assets	11	248	341
Tangible assets	12	1,684	1,833
		<u>1,932</u>	<u>2,174</u>
<b>Current assets</b>			
Stocks	13	1,921	1,749
Debtors: amounts falling due within one year	14	1,972	1,563
Cash at bank and in hand		2,750	1,050
		<u>6,643</u>	<u>4,362</u>
<b>Creditors: amounts falling due within one year</b>	15	<u>(1,255)</u>	<u>(1,149)</u>
<b>Net current assets</b>		<u>5,388</u>	<u>3,213</u>
<b>Total assets less current liabilities</b>		<u>7,320</u>	<u>5,387</u>
<b>Creditors: amounts falling due after more than one year</b>	16	(36)	(40)
<b>Provisions for liabilities</b>	18	<u>(266)</u>	<u>(299)</u>
<b>Net assets</b>		<u>7,018</u>	<u>5,048</u>
<b>Capital and reserves</b>			
Called-up share capital	19	2	2
Share premium account		3,250	3,250
Profit and loss account		3,766	1,796
<b>Shareholders' funds</b>		<u>7,018</u>	<u>5,048</u>

The financial statements of Cinch Connectivity Solutions Limited (registered number 02086232) were approved by the board of directors and authorised for issue on 23/07/2025. They were signed on its behalf by:



L Hutkin  
Director

The notes on pages 13 to 27 form part of these financial statements.

## Cinch Connectivity Solutions Limited

### Statement of changes in equity For the year ended 31 December 2024

	<b>Called-up share capital £'000</b>	<b>Share premium account £'000</b>	<b>Profit and loss account £'000</b>	<b>Total £'000</b>
<b>At 1 January 2023</b>	2	3,250	1,792	5,044
Profit for the financial year and total comprehensive income	-	-	1,304	1,304
Dividends paid (note 21)	-	-	(1,300)	(1,300)
	<hr/>	<hr/>	<hr/>	<hr/>
<b>At 31 December 2023</b>	2	3,250	1,796	5,048
Profit for the financial year and total comprehensive income	-	-	3,070	3,070
Dividends paid (note 21)	-	-	(1,100)	(1,100)
	<hr/>	<hr/>	<hr/>	<hr/>
<b>At 31 December 2024</b>	<u>2</u>	<u>3,250</u>	<u>3,766</u>	<u>7,018</u>

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies

The principal accounting policies are summarised below. They have all been applied consistently throughout the year and the preceding year.

#### *a. General information and basis of accounting*

Cinch Connectivity Solutions Limited is a private company, limited by shares, incorporated in the United Kingdom and registered in England and Wales under the Companies Act 2006. The address of the registered office is given on page 1. The nature of the Company's operations and its principal activities are set out in the strategic report on pages 2 and 3.

The financial statements have been prepared under the historical cost convention and in accordance with Financial Reporting Standard 102 (FRS 102) issued by the Financial Reporting Council and the requirements of the Companies Act 2006.

The functional and presentational currency of Cinch Connectivity Solutions Limited is considered to be pounds sterling because that is the currency of the primary economic environment in which the Company operates. The preparation of financial statements in compliance with FRS 102 requires the use of certain critical accounting estimates. It also requires management to exercise judgement in applying the company's accounting policies (see note2).

Cinch Connectivity Solutions Limited meets the definition of a qualifying entity under FRS 102 and has therefore taken advantage of the disclosure exemptions available to it in respect of its separate financial statements. Cinch Connectivity Solutions Limited is consolidated in the financial statements of its ultimate parent, Bel Fuse Inc, which may be obtained at 300 Executive Drive, Suite 300, West Orange NJ 07052, USA.

The company has taken advantage of the following disclosure exemptions in preparing these financial statements, as permitted by the FRS 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland":

- the requirements of Section 7 Statement of Cash Flows;
- the requirements of Section 11 Financial Instruments paragraphs 11.42, 11.44 to 11.45, 11.47, 11.48(a)(iii), 11.48(a)(iv), 11.48(b) and 11.48(c);
- the requirements of Section 12 Other Financial Instruments paragraphs 12.26 to 12.27, 12.29(a), 12.29(b) and 12.29A;
- the requirements of Section 26 Share-based Payment paragraphs 26.18(b), 26.19 to 26.21 and 26.23;
- the requirements of Section 33 Related Party Disclosures paragraph 33.7.

These exemptions have been applied as the company is a qualifying entity and the shareholders of the company have been notified and no objection has been made to the use of the exemptions.

#### *b. Going concern*

The current economic conditions create uncertainty over the cost of the Company's raw materials, however demand for our products continues to be strong. The Company's forecasts, taking account of reasonably possible changes in trading performance, show that the Company should be able to operate without the need for further facilities.

The directors therefore have a reasonable expectation that the Company has adequate resources to continue in operational existence for at least 12 months from the date of approval of the financial statements. Thus they continue to adopt the going concern basis of accounting in preparing the annual financial statements.

#### *c. Intangible fixed assets*

Goodwill on historical acquisitions is amortised over a period of 20 years which is the estimated useful economic life. Provision is made for any impairment.

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies (continued)

#### d. Tangible fixed assets

Tangible fixed assets are stated at cost, net of depreciation and any provision for impairment. Depreciation is provided on all tangible fixed assets at rates calculated to write off the cost, less estimated residual value, of each asset on a straight-line basis over its expected useful life, as follows:

Office equipment	3-5 years
Fixtures and fittings	5 years / termination of building lease
Plant and machinery	10 years

Residual value represents the estimated amount which would currently be obtained from disposal of an asset, after deducting estimated costs of disposal, if the asset were already of the age and in the condition expected at the end of its useful life.

#### e. Financial instruments

The company has elected to apply the provisions of Section 11 “Basic Financial Instruments” of FRS 102 to all of its financial instruments. Financial instruments are recognised in the company's Statement of Financial Position when the company becomes party to the contractual provisions of the instrument. Financial assets and liabilities are offset, with the net amounts presented in the financial statements, when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

#### Basic financial assets

Basic financial assets, which include trade and other receivables, cash and bank balances, are initially measured at their transaction price including transaction costs and are subsequently carried at their amortised cost using the effective interest method, less any provision for impairment, unless the arrangement constitutes a financing transaction, where the transaction is measured at the present value of the future receipts discounted at a market rate of interest. Discounting is omitted where the effect of discounting is immaterial. The company's cash and cash equivalents, trade and most other receivables due within the operating cycle fall into this category of financial instruments.

#### Financial liabilities

Financial liabilities and equity instruments are classified according to the substance of the contractual arrangements entered into. An equity instrument is any contract that evidences a residual interest in the assets of the company after the deduction of all its liabilities. Basic financial liabilities, which include trade and other payables and other loans are initially measured at their transaction price after transaction costs. When this constitutes a financing transaction, whereby the debt instrument is measured at the present value of the future payments discounted at a market rate of interest. Discounting is omitted where the effect of discounting is immaterial. Debt instruments are subsequently carried at their amortised cost using the effective interest rate method. Trade payables are obligations to pay for goods and services that have been acquired in the ordinary course of business from suppliers. Trade payables are classified as current liabilities if the payment is due within one year. If not, they represent non-current liabilities. Trade payables are initially recognised at their transaction price and subsequently are measured at amortised cost using the effective interest method. Discounting is omitted where the effect of discounting is immaterial.

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies (continued)

#### e. Financial instruments (continued)

##### Creditors

Short-term creditors are measured at the transaction price. Other financial liabilities, including bank loans, are measured initially at fair value, net of transaction costs, and are measured subsequently at amortised cost using the effective interest method.

##### Cash and cash equivalents

Cash is represented by cash in hand and deposits with financial institutions repayable without penalty on notice of not more than 24 hours. Cash equivalents are highly liquid investments that mature in no more than three months from the date of acquisition and that are readily convertible to known amounts of cash with insignificant risk of change in value.

##### Derecognition of financial assets

Financial assets are derecognised when their contractual right to future cash flow expire, or are settled, or when the company transfers the asset and substantially all the risks and rewards of ownership to another party. If significant risks and rewards of ownership are retained after the transfer to another party, then the company will continue to recognise the value of the portion of the risks and rewards retained.

##### Derecognition of financial liabilities

Financial liabilities are derecognised when the company's contractual obligations expire or are discharged or cancelled.

#### f. Stocks

Stocks are stated at the lower of cost and estimated selling price less costs to sell, which is equivalent to the net realisable value. Cost includes materials, direct labour and an attributable proportion of manufacturing overheads based on normal levels of activity. Cost is calculated using the FIFO (first-in, first-out) method. Provision is made for obsolete, slow-moving or defective items where appropriate.

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies (continued)

#### g. Impairment of assets

Assets, other than those measured at fair value, are assessed for indicators of impairment at each balance sheet date. If there is objective evidence of impairment, an impairment loss is recognised in profit or loss as described below.

##### *Non-financial assets*

An asset is impaired where there is objective evidence that, as a result of one or more events that occurred after initial recognition, the estimated recoverable value of the asset has been reduced. The recoverable amount of an asset is the higher of its fair value less costs to sell and its value in use.

Where indicators exist for a decrease in impairment loss, the prior impairment loss is tested to determine reversal. An impairment loss is reversed on an individual impaired asset to the extent that the revised recoverable value does not lead to a revised carrying amount higher than the carrying value had no impairment been recognised.

##### *Financial assets*

For financial assets carried at amortised cost, the amount of impairment is the difference between the asset's carrying amount and the present value of estimated future cash flows, discounted at the financial asset's original effective interest rate.

For financial assets carried at cost less impairment, the impairment loss is the difference between the asset's carrying amount and the best estimate of the amount that would be received for the asset if it were to be sold at the reporting date.

Where indicators exist for a decrease in impairment loss, and the decrease can be related objectively to an event occurring after the impairment was recognised, the prior impairment loss is tested to determine reversal. An impairment loss is reversed on an individual impaired financial asset to the extent that the revised recoverable value does not lead to a revised carrying amount higher than the carrying value had no impairment been recognised.

#### h. Taxation

Current tax, including UK corporation tax and foreign tax, is provided at amounts expected to be paid (or recovered) using the tax rates and laws that have been enacted or substantively enacted by the balance sheet date.

Deferred tax is recognised in respect of all timing differences that have originated but not reversed at the balance sheet date where transactions or events that result in an obligation to pay more tax in the future or a right to pay less tax in the future have occurred at the balance sheet date. Timing differences are differences between the Company's taxable profits and its results as stated in the financial statements that arise from the inclusion of gains and losses in tax assessments in periods different from those in which they are recognised in the financial statements.

Unrelieved tax losses and other deferred tax assets are recognised only to the extent that, on the basis of all available evidence, it can be regarded as more likely than not that there will be suitable taxable profits from which the future reversal of the underlying timing differences can be deducted.

When the amount that can be deducted for tax for an asset that is recognised in a business combination is less (more) than the value at which it is recognised, a deferred tax liability (asset) is recognised for the additional tax that will be paid (avoided) in respect of that difference. Similarly, a deferred tax asset (liability) is recognised for the additional tax that will be avoided (paid) because of a difference between the value at which a liability is recognised and the amount that will be assessed for tax.

Deferred tax liabilities are recognised for timing differences arising from investments in subsidiaries and associates, except where the Company is able to control the reversal of the timing difference and it is probable that it will not reverse in the foreseeable future.

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies (continued)

#### *h. Taxation (continued)*

Deferred tax is measured using the tax rates and laws that have been enacted or substantively enacted by the balance sheet date that are expected to apply to the reversal of the timing difference. Deferred tax relating to property, plant and equipment measured using the revaluation model and investment property is measured using the tax rates and allowances that apply to sale of the asset.

Where items recognised in other comprehensive income or equity are chargeable to or deductible for tax purposes, the resulting current or deferred tax expense or income is presented in the same component of comprehensive income or equity as the transaction or other event that resulted in the tax expense or income.

Current tax assets and liabilities are offset only when there is a legally enforceable right to set off the amounts and the Company intends either to settle on a net basis or to realise the asset and settle the liability simultaneously.

Deferred tax assets and liabilities are offset only if: a) the Company has a legally enforceable right to set off current tax assets against current tax liabilities; and b) the deferred tax assets and deferred tax liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities which intend either to settle current tax liabilities and assets on a net basis, or to realise the assets and settle the liabilities simultaneously, in each future period in which significant amounts of deferred tax liabilities or assets are expected to be settled or recovered.

#### *i. Turnover*

Turnover is stated net of VAT and trade discounts and is recognised when the significant risks and rewards are considered to have been transferred to the buyer. This is from the principal activity of manufacture and delivery of connectivity solutions and fibre optic connectors and cable assemblies. Turnover from the sale of goods is recognised when the goods are either despatched or physically delivered to the customer, dependent on agreed sales terms. Where payments are received from customers in advance of goods or services provided, the amounts are recorded as deferred income and included as part of creditors due within one year or creditors due after one year as appropriate.

#### *j. Defined contribution pension scheme*

For defined contribution pension schemes, the amount charged to the profit and loss account in respect of pension costs is the contributions payable in the year. Differences between the contributions payable in the year and the contributions actually paid are shown as either accruals or prepayments in the balance sheet.

#### *k. Foreign currency*

Transactions in foreign currencies are recorded at the rate of exchange at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies at the balance sheet date are reported at the rates of exchange prevailing at that date.

Exchange differences are recognised in profit or loss in the period in which they arise.

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 1. Accounting policies (continued)

#### *l. Leases*

Rentals under operating leases are charged on a straight-line basis over the lease term, even if the payments are not made on such a basis. Benefits received and receivable as an incentive to sign an operating lease are similarly spread on a straight-line basis over the lease term.

#### *m. Share-based payment*

The Company grants to its employees rights to equity instruments of Bel Fuse Inc, its ultimate parent company. The required disclosures are therefore included in Bel Fuse Inc consolidated financial statements.

A liability equal to the portion of the goods or services received is recognised at the current fair value determined at each balance sheet date for cash-settled share-based payments.

For cash-settled share-based payments, a liability is recognised for the goods or services acquired, measured initially at the fair value of the liability. At each balance sheet date until the liability is settled, and at the date of settlement, the fair value of the liability is remeasured, with any changes in fair value recognised in profit or loss for the year.

### 2. Critical accounting judgements and key sources of estimation uncertainty

In the application of the Company's accounting policies, which are described in note 1, the directors are required to make judgements, estimates and assumptions about the carrying amounts of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised if the revision affects only that period, or in the period of the revision and future periods if the revision affects both current and future periods.

#### *Sources of estimation - Stock provision*

Stock is held for a significant length of time due to the nature of the products and the types of sales orders in existence. Management review sales orders and forecasts in applying their judgement as to the requirement to provide against stock value. As such there is inherent estimation in management's assessment of the recoverability of stock value through sale and thereby in management's assessment of the need to provide against the cost held. At 31 December 2024 the stock provision was £0.5m (2023: £0.5m). The provision is determined by reference to considerations of obsolescence and demand. Whilst stocks are considered to hold value for a number of years due to the nature of the company's operating cycle, a sensitivity of the provision for any stocks held for which levels are in excess of 24 months demand where these were fully written off would impact the provision through an increase by £0.1m (2023: £0.1m).

#### *Judgements*

There were no judgements made in coming up with the accounting policies which would have a significant effect on the amounts recognised in the financial statements.

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 3. Turnover

An analysis of the Company's turnover by class of business is set out below.

	2024 £'000	2023 £'000
<b>Turnover:</b>		
RF Cable Assembly & Passive Components	102	62
Fibre Optic Cable Assembly and Active Components	10,479	7,258
Precision Engineered Components	1,229	1,269
	<u>11,810</u>	<u>8,589</u>

An analysis of the Company's turnover by geographical market is set out below.

	2024 £'000	2023 £'000
<b>Turnover:</b>		
United Kingdom	4,598	3,045
Rest of Europe	6,276	4,649
USA	454	391
Rest of World	482	504
	<u>11,810</u>	<u>8,589</u>

#### 4. Finance costs

	2024 £'000	2023 £'000
Interest earned non-affiliates	(34)	-
Interest expense non-affiliates	-	1

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 5. Profit before taxation

Profit before taxation is stated after charging / (crediting):

	<b>2024</b>	<b>2023</b>
	<b>£'000</b>	<b>£'000</b>
Depreciation of tangible fixed assets (note 12)	285	252
Amortisation of intangible assets (note 11)	93	94
Operating lease rentals – land and buildings	162	206
Operating lease rentals – other	3	3
Foreign exchange loss/(gain)	21	20
Severance	9	80
Restructuring	-	126
(Gain)/loss on disposal of fixed assets (note 12)	-	(57)
	<u>          </u>	<u>          </u>

#### 6. Auditor's remuneration

Fees payable to Grant Thornton UK LLP and their associates for the audit of the Company's annual financial statements were £25,506 (2023: £24,062).

#### 7. Staff numbers and costs

The average monthly number of employees (including executive directors) was:

	<b>2024</b>	<b>2023</b>
	<b>Number</b>	<b>Number</b>
Production	35	36
Distribution	2	3
Sales	8	9
Administration	8	6
	<u>          </u>	<u>          </u>
	53	54
	<u>          </u>	<u>          </u>

Their aggregate remuneration comprised:

	<b>£'000</b>	<b>£'000</b>
Wages and salaries	2,006	2,044
Social security costs	238	214
Other pension costs	166	123
	<u>          </u>	<u>          </u>
	2,410	2,381
	<u>          </u>	<u>          </u>

#### 8. Directors' remuneration

All directors holding office during 2024 and 2023 are remunerated by other group companies and it is not possible to allocate the remuneration across group companies.

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 9. Tax on profit

The tax charge comprises:

	2024 £'000	2023 £'000
<b>Current tax on profit</b>		
UK corporation tax	1,054	175
Adjustments in respect of previous periods	-	-
<b>Total current tax</b>	<u>1,054</u>	<u>175</u>
<b>Deferred tax</b>		
Origination and reversal of timing differences	(32)	235
Adjustment in respect of previous periods	-	29
Effect of changes in tax rates	-	15
<b>Total deferred tax (see note 18)</b>	<u>(32)</u>	<u>279</u>
<b>Total tax on profit</b>	<u>1,022</u>	<u>454</u>

Tax assessed for the year is lower (2023: higher) than the standard rate of corporation tax in the UK for the year ended 31 December 2024 of 25% (2023: 23.52%). The differences are explained below:

	2024 £'000	2023 £'000
<b>Profit before tax</b>	<u>4,092</u>	<u>1,758</u>
Tax on profit at average UK corporation tax rate of 25.00 per cent (2023: 23.52 per cent)	1,023	414
Effects of:		
- Expenses not deductible for tax purposes	34	33
- Share option timing differences	(35)	(19)
- Income not taxable	-	(18)
- Tax rate changes	-	15
- Adjustment from previous periods	-	29
<b>Total tax charge for year</b>	<u>1,022</u>	<u>454</u>

The Finance Act 2021 was substantively enacted in May 2021 and has increased the corporation tax rate from 19% to 25% with effect from 1 April 2023 on profits over £250,000. The rate for small profits under £50,000 will remain at 19%. When the Company's profits fall between £50,000 and £250,000, the lower and upper limits, it will be able to claim an amount of marginal relief providing a gradual increase in corporation tax rate. There has been no change to corporation tax rates for the financial year ended 31 December 2024. The deferred taxation balances have been measured using the rates expected to apply in the reporting periods when the timing differences reverse.

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 10. Share-based payments

The Company grants to its employees' rights to equity instruments of Bel Fuse Inc, its ultimate parent company. The required disclosures are therefore included in Bel Fuse Inc's consolidated financial statements. The Company provides common stock awards to certain officers, directors, and key employees. The Company grants these awards, at its discretion, from the shares available under the Program. Prior to 2023 Shares were awarded to an individual every 4 years and earned in 25% increments on the second, third, fourth and fifth anniversaries of the award and are distributed provided the employee has remained employed by the Company through such anniversary dates; otherwise, the unearned shares are forfeited. From 2023 shares are awarded on an annual basis and vested equally over 3 years. Cinch Connectivity Solutions Limited measures its share-based payment expense as a proportion of the expense recognised for the entire share-based payment scheme based on the number of employees participating in the scheme. Recharges by the parent which are done with respect of these share-based payments are charged to the P&L.

#### 11. Intangible assets

	<b>Goodwill £'000</b>
<b>Cost</b>	
At 1 January 2024 and 31 December 2024	1,987
<b>Amortisation</b>	
At 1 January 2024	1,646
Charge for the year	93
At 31 December 2024	1,739
<b>Net book value</b>	
At 31 December 2024	248
At 31 December 2023	341

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 12. Tangible assets

	<b>Plant and machinery £'000</b>	<b>Fixtures, fittings and office equipment £'000</b>	<b>Total £'000</b>
<b>Cost</b>			
At 1 January 2024	3,102	1,397	4,499
Additions	43	93	136
Disposals	(10)	(18)	(28)
	<hr/>	<hr/>	<hr/>
At 31 December 2024	3,135	1,472	4,607
	<hr/>	<hr/>	<hr/>
<b>Depreciation</b>			
At 1 January 2024	1,812	854	2,666
Charge for the year	214	71	285
Disposals	(10)	(18)	(28)
	<hr/>	<hr/>	<hr/>
At 31 December 2024	2,016	907	2,923
	<hr/>	<hr/>	<hr/>
<b>Net book value</b>			
At 31 December 2024	1,119	565	1,684
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>
At 31 December 2023	1,290	543	1,833
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 13. Stocks

	2024 £'000	2023 £'000
Raw materials and consumables	703	651
Work in progress	990	866
Finished goods and goods for resale	228	232
	<u>1,921</u>	<u>1,749</u>

The directors consider the net book value of stocks to be the same as their replacement cost.

#### 14. Debtors: amounts falling due within one year

	2024 £'000	2023 £'000
Trade debtors	1,740	1,221
Amounts owed by group undertakings	43	71
Prepayments and accrued income	123	159
Corporation tax	66	112
	<u>1,972</u>	<u>1,563</u>

Amounts owed by group undertakings are for the sale of goods and internal recharges of administrative costs repayable on 30-day end of month terms. The amounts are unsecured and interest free. Trade debtors are stated after provisions for impairment of £nil (2023: £nil).

# Cinch Connectivity Solutions Limited

## Notes to the financial statements For the year ended 31 December 2024

### 15. Creditors: amounts falling due within one year

	2024 £'000	2023 £'000
Obligations under finance leases	-	-
Trade creditors	556	452
Amounts owed to group undertakings	48	68
Other taxation and social security	112	85
VAT	101	45
Accruals and deferred income	438	499
	<u>1,255</u>	<u>1,149</u>

The amounts owed to group undertakings are for the purchase of goods and internal recharges of administrative costs repayable on 30-day end of month terms. The amounts are unsecured and interest free.

### 16. Creditors: amounts falling due after more than one year

	2024 £'000	2023 £'000
Accruals and deferred income	36	40
	<u>36</u>	<u>40</u>

### 17. Pension Commitments

The company operates a defined contributions pension scheme. The assets of the scheme are held separately from those of the company in an independently administered fund. The pension cost charge represents contributions payable by the company to the fund and amounted to £166k (2023: £123k). Contributions totalling £18k (2023: £13k) were payable to the fund at the reporting date and are included in creditors.

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 18. Provisions for liabilities

##### *Deferred tax*

Deferred tax is provided as follows:

	2024 £'000	2023 £'000
Accelerated capital allowances	271	301
Other timing differences	(5)	(2)
<b>Provision for deferred tax</b>	<u>266</u>	<u>299</u>

Deferred tax assets and liabilities are offset only where the Company has a legally enforceable right to do so and where the assets and liabilities relate to income taxes levied by the same taxation authority on the same taxable entity or another entity within the Company.

Deferred tax movements during the current and prior year:

	2024 £'000	2023 £'000
Provision at start of year	299	20
Other – rounding	(1)	-
Deferred tax credit to profit and loss account for the year	(32)	250
Adjustment in respect of prior years	-	29
Provision at end of year	<u>266</u>	<u>299</u>

#### 19. Called-up share capital and reserves

	2024 £'000	2023 £'000
<b>Allotted, called-up and fully-paid</b>		
2,000 ordinary shares of £1 each	<u>2</u>	<u>2</u>

The Company has one class of ordinary shares which carry no right to fixed income.

*The Company's other reserves are as follows:*

The share premium reserve contains the premium arising on issue of equity shares, net of issue expenses.

The profit and loss reserve represents cumulative profits or losses, net of dividends paid.

## Cinch Connectivity Solutions Limited

### Notes to the financial statements For the year ended 31 December 2024

#### 20. Financial commitments

Total future minimum lease payments under non-cancellable operating leases are as follows:

	2024		2023	
	Land and buildings £'000	Other £'000	Land and buildings £'000	Other £'000
- within one year	111	-	-	-
- between one and five years	712	1	-	1
	<u>823</u>	<u>1</u>	<u>-</u>	<u>1</u>

At 31 December, the company had future capital expenditure on tangible fixed assets not provided in the financial statements totalling £237k (2023: £47k).

#### 21. Dividends paid

	2024 £'000	2023 £'000
Dividends paid to Cinch Connectors Limited of £550 per share (2023 – £650)	<u>1,100</u>	<u>1,300</u>

#### 22. Related party transactions

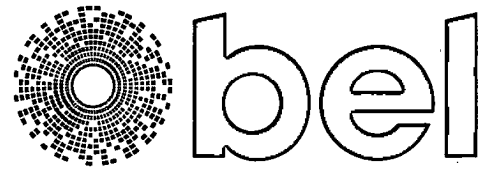
The Company has taken advantage of the exemption granted in section 33 of Financial Reporting Standard 102 not to disclose related party transactions with other wholly owned group companies.

There were no other related party transactions.

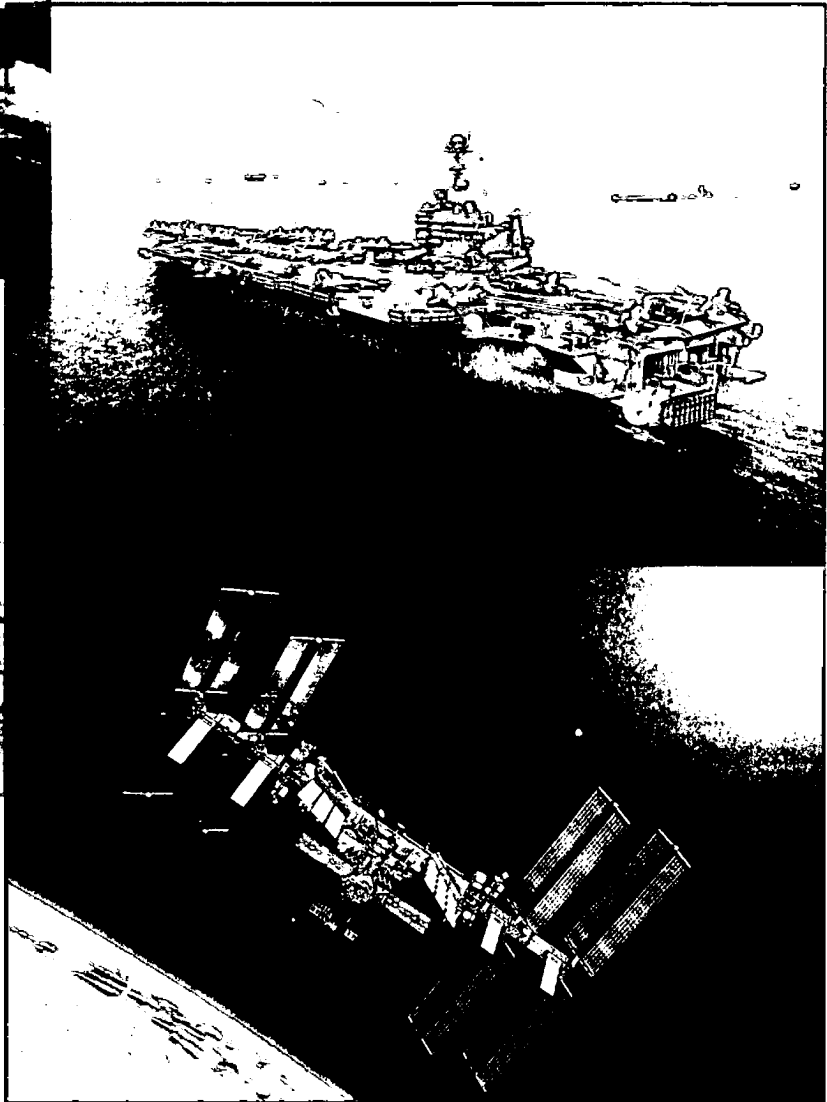
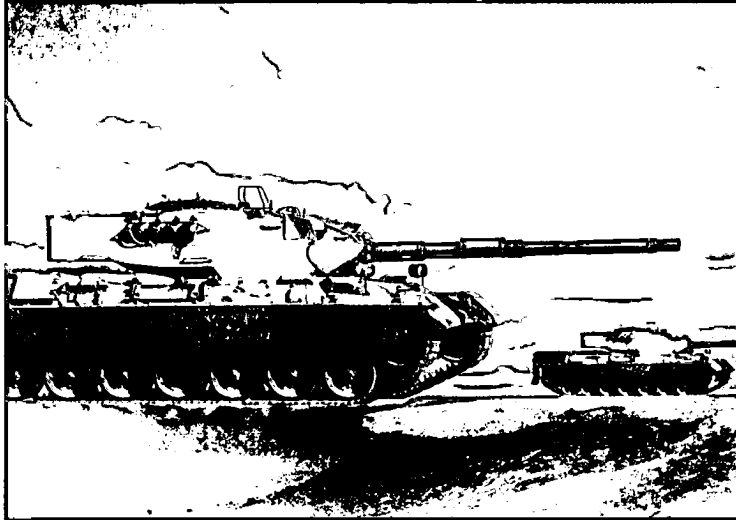
#### 23. Immediate and ultimate parent

The immediate parent undertaking of the company is Cinch Connectors Limited (registered number: 02178707), a company incorporated in England and Wales. The immediate parent's registered office is: Shireoaks Road, Worksop, Nottinghamshire, S80 3HA.

The ultimate parent undertaking of the Company, and the ultimate controlling party, is Bel Fuse Inc, a company incorporated in New Jersey. The smallest and the largest group in which the results of the Company are consolidated is that headed by Bel Fuse Inc. The consolidated financial statements of this group are available to the public and may be obtained from its registered office: Bel Fuse Inc, 300 Executive Drive, Suite 300, West Orange NJ 07052, USA.



POWER | PROTECT | CONNECT



2024  
ANNUAL  
REPORT

# CELEBRATING THE BERNSTEIN LEGACY

In 1949, 26-year-old Elliot Bernstein founded Bal Fuse in Jersey City, New Jersey, to make fuses for automobiles. With the car market thriving in the early 1950s, the young company did well and soon expanded its business to make fuses for another wildly popular consumer product:



televisions. This was the beginning of an epic journey led by the Bernstein family for decades. Bal products would later be used in networking, commercial aerospace, defense, space and artificial intelligence applications. The evolution, versatility and adaptability of the company and its products, in the face of changing times and market conditions, has been unwavering over the years.



A father and son team comprised the company's leadership over a span of 75 years, as the only two CEOs in Bal's history to date. The company that once manufactured a single fuse product with 200 employees in New Jersey has grown into a global supplier with over 5,000 employees in 15 countries, generating over \$500 million in revenue. Bal has not only survived, but has thrived over the decades of ever-changing technology in an increasingly competitive global environment. From the early days of Elliot to the succession of the CEO role over to his son Dan in 2001, the Bernsteins instilled consistent values across the Bal organization: #1: Attract and retain talented team members and make them feel part of the family; #2: Stay connected to the engineering teams at our customers; #3: Partner with quality suppliers; and #4: Deliver value to our shareholders (always central in our priorities, this goal is made possible by the other underlying principles). Even as the company grew, the family feel always remained.

In February 2025, it was announced that Dan will be handing the reins of the business over to Farouq Tuwalaq in May 2025. While Dan will stay on in the capacity of non-executive Chairman of the Board, we would like to acknowledge and celebrate the innovation, entrepreneurship, and vision that the Bernstein family has brought to Bal over the years.

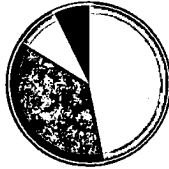


## 2024 FINANCIAL HIGHLIGHTS

### CONNECTIVITY

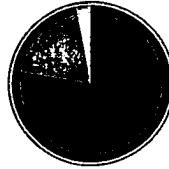
- Commercial aerospace sales increased 6.8%, or \$3.6M, from 2023
- Military sales grew by \$2.3M, or 5.2%, from 2023
- Margin improvement led by operational efficiencies from recent facility consolidations

END MARKETS (%)



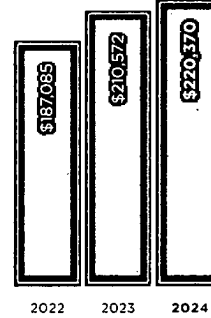
- Aerospace/Defense (47%)
- Distribution (37%)
- Networking (9%)
- Industrial (7%)

GEOGRAPHY (%)

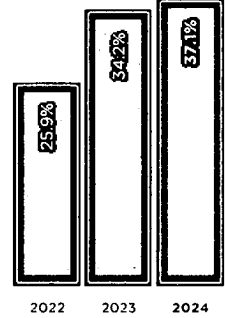


- North America (78%)
- EMEA (19%)
- APAC (3%)

SALES (\$ IN THOUSANDS)



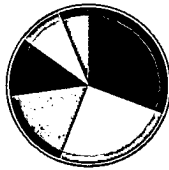
GROSS MARGIN (%)



### POWER

- Enercon contributed \$20.8M to aerospace and defense application sales in the last two months of 2024
- Rail product sales increased by \$11.8M compared to 2023
- Sales of front-end power products into networking applications decreased by \$45.3M from 2023
- eMobility sales decreased by \$12.9M, from 2023
- CUI sales declined by \$21.2M from 2023
- Margin expansion driven by favorable product mix, lower volume of low-margin expedite fees and favorable FX

END MARKETS (%)



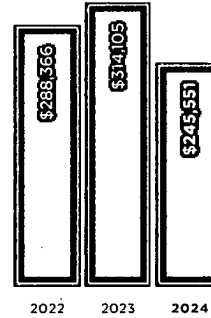
- Distribution (31%)
- Networking (25%)
- Rail (17%)
- Industrial (12%)
- Aerospace/Defense (9%)
- e-Mobility (6%)

GEOGRAPHY (%)

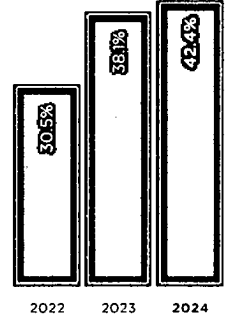


- North America (66%)
- EMEA (23%)
- APAC (11%)

SALES (\$ IN THOUSANDS)



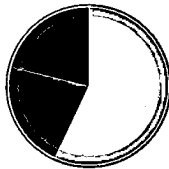
GROSS MARGIN (%)



### MAGNETICS

- Magnetic sales declined by \$46.3M from 2023 driven by high inventory levels in the channel for our networking and distribution customers, leading to lower demand
- Margin expansion due to recent facility consolidations, diligent cost management and favorable FX

END MARKETS (%)



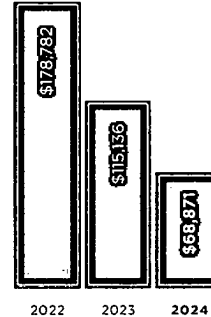
- Networking (44%)
- Distribution (29%)
- Industrial (27%)

GEOGRAPHY (%)

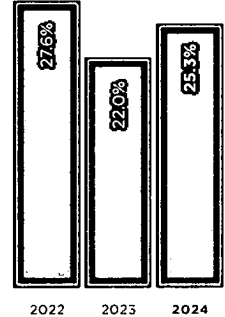


- APAC (52%)
- North America (41%)
- EMEA (7%)

SALES (\$ IN THOUSANDS)



GROSS MARGIN (%)



TO OUR SHAREHOLDERS:

## 2024—A YEAR OF ACHIEVING MANY NEW MILESTONES

This past year has been one of great success as a result of our strategic execution where we focused on areas within our control to drive future growth and manage costs effectively. This approach led to several notable achievements throughout 2024, including margin expansion on lower revenue, reaching new all-time-highs on Bel's stock price and completion of the largest transaction in our 76-year history. The acquisition of Enercon in November 2024 expanded our product offerings and strengthened our position in the aerospace and defense markets. This acquisition reflects our commitment to strategic growth and enhances our ability to deliver advanced, high-reliability solutions across multiple industries.

We strengthened our leadership by appointing two new senior members to the executive team in sales and procurement, enhancing our strategic initiatives in these critical areas. Our Connectivity and Power segments further streamlined their operational footprint through two additional facility consolidation projects in the U.S. and China, resulting in an expected \$4.9 million of incremental annualized cost savings, a portion of which will be recognized in 2025. As a result of the team's diligent work, Bel successfully enhanced its profit margins, demonstrating resilience and operational efficiency despite facing a challenging top-line environment.

Overall, the team has worked diligently to drive efficiency, optimize our global footprint, and invest in next-generation technologies that position us for sustainable long-term growth.

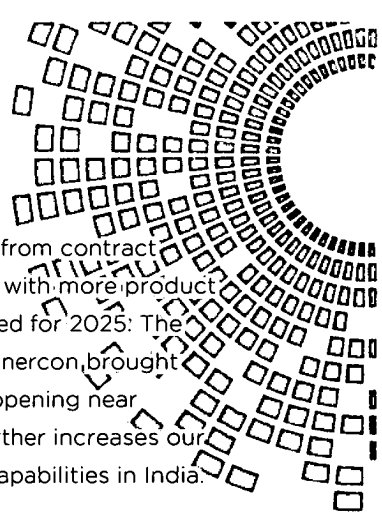
## POWER SOLUTIONS & PROTECTION

The Power Solutions and Protection segment achieved a major milestone with the acquisition of Enercon Technologies in 2024. This acquisition significantly expands Bel's presence in Aerospace and Defense markets and diversifies Power into a new customer base from which to grow the business. The acquisition allows many cross-selling opportunities between Enercon and our Connectivity segment's Cinch group.

Power Solutions and Protection achieved higher gross margins in 2024 despite lower revenue coming off a record high 2023. Railway products led the way for Power, growing 40% in 2024 and reaching the highest Railway revenue in Bel's history. Another highlight was Bel's participation in the AI market, which resulted in revenue and bookings growth, especially in the second half of the year that we expect to realize as revenue in 2025. Fuses and other power products started to pick up as the year progressed from lower inventory in the distribution channel.



The group completed several manufacturing and restructuring initiatives in 2024 that are critical for future growth. We successfully consolidated circuit protection operations into an existing Power facility lowering our cost structure and condensing our footprint, which will benefit the group in 2025 and beyond. Bel continued to invest in India with the expansion of our Mumbai factory via product transfers



and insourcing from contract manufacturers, with more product transfers planned for 2025: The acquisition of Enercon, brought a new factory opening near Delhi, which further increases our footprint and capabilities in India.

Our strong position in the fast-growing AI market and growth from Enercon within Aerospace and Defense are expected to be the main growth drivers for our Power segment in 2025.

## CONNECTIVITY SOLUTIONS

The Connectivity Solutions segment achieved record sales and profitability in 2024 as we continue to leverage our key technologies and expertise in harsh environment connectivity to drive growth.

Our strategy of positioning ourselves as a trusted partner and solutions provider to our customers in the Military, Space, and Commercial Aerospace markets enabled strong growth in the year and resulted in several impactful new program wins. While we experienced weakened demand overall in 2024 in the Industrial and Networking/datacenter markets, we are encouraged by the activity we saw later in the year through our distribution partners in those markets. The operations team made significant progress toward our factory and process modernization plan with several key automation initiatives contributing to improved operational efficiencies in our manufacturing facilities across the globe.

The Connectivity Solutions segment is well positioned for continued growth as we focus on expanding our presence in key global markets and driving additional operational improvements through investment in our people, factories, and new product lines.

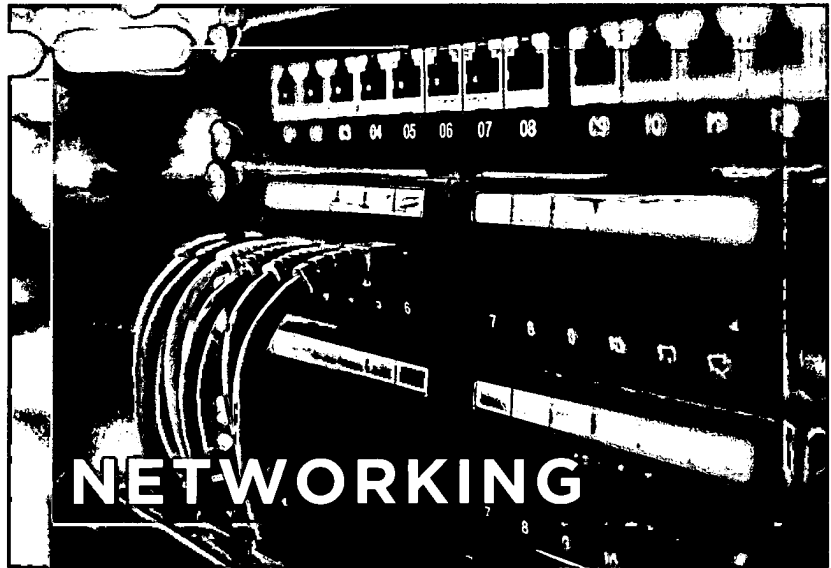
## MAGNETIC SOLUTIONS

Our Magnetic Solutions segment continued to focus on new product introductions and operational efficiency in 2024. The MagJack® ICM team introduced several new high-performance products, compatible with next-generation Ethernet PHY technology. These products are designed to support the industry's call for faster transmission, higher Power over Ethernet (PoE) as demanded by our Enterprise Networking customers' growth strategies, built around emerging applications such as AI, Cloud Computing and Smart Campus. Our designs provide leading-edge performance in a variety of port configurations to Enterprise Switches and Routers and other commercial applications. A next generation, low power SFP + copper transceiver module, capable of supplying 10GbE transmission over 100M of cable, will be launched in 2025.

Our Signal Transformer division continued to expand its product portfolio, introducing 650 new magnetic components in 2024, for use in various applications supporting the industrial, medical and transportation markets. The group's Dominican Republic manufacturing facility continued to

emphasize a LEAN concept installation throughout the operation, in addition to adding new process capabilities. This reshaping will allow us to provide more solutions to support our existing customers and become an additional option for potential customers seeking a North American manufacturing partner.

While revenue within the Magnetics segment was challenged in 2024 due to industry destocking, the team's efficiency improvement initiatives, along with diligent cost management, resulted in increased gross margin. Based on a positive book-to-bill for the year, and some optimistic market indicators, we're expecting the Magnetics segment to return to growth in 2025.



## 2025 OUTLOOK

Overall, we are entering 2025 with a renewed sense of optimism for the year ahead. With much of the facility consolidations and strategic staffing placements complete, the focus in 2025 will be on execution of top-line growth initiatives.

While the first quarter is expected to be off to a slow start, the recent levels of bookings have been encouraging in terms of an anticipated steady rebound as the year progresses. Recovery in distribution, networking and industrial markets is expected throughout 2025, as we have seen recent bookings from these customers following two years of low order volumes due to inventory destocking. In addition to this recovery, new sales growth is expected from AI, defense and space customers in 2025 as demand from these markets continues to grow. The inclusion of Enercon (80% stake acquired in November 2024) for the full year will be additive to our financial results and meaningfully expands our participation within the aerospace and defense markets.

As announced in February, I am excited to hand over the reins to Farouq Tuweiq, Bel's current CFO, as our new President and CEO this coming May. His leadership, vision, and deep industry expertise will be instrumental in guiding Bel into its next phase of growth and innovation. I have full confidence in Farouq and the Executive Team we assembled over the past few years to drive long-term value for our shareholders.

As I transition to the role of non-executive Chairman, I can't tell you how fortunate I am to be a part of this great company and our success is solely based on the dedication of all our associates, past and present. It has been an honor to lead such a talented group of associates during my tenure as President and CEO.

Sincerely,

**DANIEL BERNSTEIN**

President and Chief Executive Officer



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**FORM 10-K**

(MARK ONE)

- ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the Fiscal Year Ended December 31, 2024
- or
- TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File No. 000-11676

**BEL FUSE INC.**

(Exact name of registrant as specified in its charter)

New Jersey  
(State of incorporation)

22-1463699  
(I.R.S. Employer Identification No.)

300 Executive Drive, Suite 300  
West Orange, NJ 07052

(Address of principal executive offices and zip code)  
Registrant's telephone number, including area code: (201) 432-0463

**Securities registered pursuant to Section 12(b) of the Act:**

<u>Title of Each Class</u>	<u>Trading Symbol</u>	<u>Name of Each Exchange on which Registered</u>
Class A Common Stock (\$0.10 par value)	BELFA	NASDAQ Global Select Market
Class B Common Stock (\$0.10 par value)	BELFB	NASDAQ Global Select Market

**Securities registered pursuant to Section 12(g) of the Act: None**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer       Accelerated filer       Non-accelerated filer       Smaller reporting company       Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act).

Yes       No

The aggregate market value of the voting and non-voting common equity of the registrant held by non-affiliates (for this purpose, persons and entities other than executive officers and directors) of the registrant, as of the last business day of the registrant's most recently completed second fiscal quarter (June 30, 2024) was \$807.4 million based on the closing sale price as reported on the NASDAQ Global Select Market.

<u>Title of Each Class</u>	<u>Number of Shares of Common Stock Outstanding as of January 31, 2025</u>
Class A Common Stock	2,115,263
Class B Common Stock	10,423,675

**DOCUMENTS INCORPORATED BY REFERENCE:**

Portions of Bel Fuse Inc.'s Definitive Proxy Statement for the 2025 Annual Meeting of Shareholders are incorporated by reference into Part III of this Annual Report on Form 10-K.

BEL FUSE INC.  
FORM 10-K INDEX

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## CAUTIONARY NOTICE REGARDING FORWARD-LOOKING INFORMATION

The terms the "Company," "Bel," "we," "us," and "our" as used in this Annual Report on Form 10-K (this "Form 10-K" or this "Annual Report on Form 10-K") refer to Bel Fuse Inc. and its consolidated subsidiaries unless otherwise specified.

The Company's consolidated operating results are affected by a wide variety of factors that could materially and adversely affect revenues and profitability, including the risk factors described in Item 1A of this Form 10-K, and the risk factors described in our other reports and documents filed from time to time with the Securities and Exchange Commission ("SEC"). As a result of these and other factors, the Company may experience material fluctuations in future operating results on a quarterly or annual basis, which could materially and adversely affect its business, consolidated financial condition, operating results, and common stock prices. Furthermore, this document and other reports and documents filed by the Company with the SEC contain certain forward-looking statements under the Private Securities Litigation Reform Act of 1995 ("Forward-Looking Statements") with respect to the business of the Company. Forward-Looking Statements are necessarily subject to risks and uncertainties, many of which are outside our control, that could cause actual results to differ materially from these statements. Forward-Looking Statements can be identified by such words as "anticipates," "believes," "plan," "assumes," "forecasts," "could," "should," "estimates," "expects," "intends," "potential," "seek," "predict," "may," "will" and similar references to future periods. All statements other than statements of historical facts included in this report regarding our strategies, prospects, financial condition, operations, costs, plans and objectives are Forward-Looking Statements.

These Forward-Looking Statements are subject to certain risks and uncertainties, including those detailed in Item 1A of this Form 10-K, and the risk factors described in our other reports and documents filed from time to time with the SEC, which could cause actual results to differ materially from these Forward-Looking Statements. Any Forward-Looking Statements are qualified in the entirety by reference to such risk factors discussed throughout this Form 10-K and as described in our other reports and documents filed from time to time with the SEC. Some of the risks, uncertainties and assumptions that could cause actual results to differ materially from estimates or projections contained in the Forward-Looking Statements include but are not limited to:

- the market concerns facing our customers, and risks for the Company's business in the event of the loss of certain substantial customers;
- the continuing viability of sectors that rely on our products;
- the effects of business and economic conditions, and challenges impacting the macroeconomic environment generally and/or our industry in particular;
- the effects of rising input costs, and cost changes generally, including the potential impact and effects of inflationary pressures;
- difficulties associated with integrating previously acquired companies, including any unanticipated difficulties, or unexpected or higher than anticipated expenditures, relating to Bel's November 2024 acquisition of its majority 80% owned subsidiary Enercon Technologies, Ltd. ("Enercon"), and including, without limitation, the risk that Bel is unable to integrate the Enercon business successfully or difficulties that result in the failure to realize the expected benefits and synergies within the expected time period (if at all);
- the possibility that Bel's intended acquisition of the remaining 20% stake in Enercon is not completed in accordance with the shareholders agreement as contemplated for any reason, and any resulting disruptions that may result to Bel's business and our currently 80% owned Enercon subsidiary as a result thereof;
- trends in demand which can affect our products and results, including that demand in Enercon's end markets can be cyclical, impacting the demand for Enercon's products, which could be materially adversely affected by reductions in defense spending;
- capacity and supply constraints or difficulties, including supply chain constraints or other challenges;
- the impact of public health crises including potential future outbreaks, epidemics or pandemics;
- difficulties associated with the availability of labor, and the risks of any labor unrest or labor shortages;
- risks associated with our international operations, including our substantial manufacturing operations in the People's Republic of China (the "PRC"), and following Bel's acquisition of Enercon which closed in November 2024, risks associated with operations in Israel, which may be adversely affected by political or economic instability, major hostilities or acts of terrorism in the region;
- risks associated with restructuring programs or other strategic initiatives, including any difficulties in implementation or realization of the expected benefits or cost savings;
- product development, commercialization or technological difficulties;
- the regulatory and trade environment;
- risks associated with fluctuations in foreign currency exchange rates and interest rates;
- uncertainties associated with legal proceedings;
- the market's acceptance of the Company's new products and competitive responses to those new products; and
- the impact of changes to U.S. and applicable foreign legal and regulatory requirements, including tax laws, trade and tariff policies, such as any new or increase in tariffs, imposed either by the U.S. government on foreign imports or by a foreign government on U.S. exports related to the countries in which Bel transacts business.

The foregoing list sets forth some, but not all, of the factors that could affect our ability to achieve results described in any Forward-Looking Statements, which speak only as of the date of this Form 10-K or the date of the document incorporated by reference into this report. Except as required by law, we assume no obligation and expressly disclaim any duty to publicly release the results of any revisions to these Forward-Looking Statements or otherwise update any Forward-Looking Statement to reflect events or circumstances after the date of this Form 10-K or to reflect the occurrence of unanticipated events. In addition, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any Forward-Looking Statements contained in this Form 10-K. Any Forward-Looking Statement made by the Company is based only on information currently available to us and speaks only as of the date on which it is made. All Forward-Looking Statements are expressly qualified in their entirety by the cautionary statements contained in this section.

## PART I

### Item 1. *Business*

Bel Fuse Inc. designs, manufactures and markets a broad array of products that power, protect and connect electronic circuits. These products are primarily used in the defense, commercial aerospace, networking, telecommunications, computing, general industrial, high-speed data transmission, transportation and eMobility industries. Bel's portfolio of products also finds application in the automotive, medical, broadcasting and consumer electronics markets. Bel's product groups include Power Solutions and Protection (front-end, board-mount, industrial and transportation power products, module products and circuit protection), Connectivity Solutions (expanded beam fiber optic, copper-based, RF and RJ connectors and cable assemblies), and Magnetic Solutions (integrated connector modules, power transformers, power inductors and discrete components).

With more than 75 years in operation, Bel has reliably demonstrated the ability to participate in a variety of product areas across a global platform. The Company has a strong track record of technical innovation working with the engineering teams of market leaders. Bel has proven itself a valuable supplier to world-class companies by developing new products with cost effective solutions.

The Company was incorporated in 1949 and is organized under New Jersey law. Bel's principal executive offices are located at 300 Executive Drive, Suite 300, West Orange, New Jersey 07052, and Bel's telephone number is (201) 432-0463. The Company operates facilities in North America, Europe and the Middle East (referred to as the "EMEA" region throughout), and Asia and trades on the NASDAQ Global Select Market (ticker symbols BELFA and BELFB). For information regarding Bel's operating segments, see Note 14, "*Segments*", of the notes to our consolidated financial statements. Hereinafter, all references to "Note" will refer to the notes to our consolidated financial statements included in Part II, Item 8. "*Financial Statements and Supplementary Data*" of this Annual Report on Form 10-K.

On February 3, 2025, the Company announced that Bel's current President and Chief Executive Officer, Daniel Bernstein, would be stepping down from his executive officer positions effective immediately following the Company's 2025 Annual Meeting of Shareholders, currently scheduled to be held on May 27, 2025 (the "2025 Annual Meeting"). Subject to Mr. Bernstein's reelection at the 2025 Annual Meeting, Bel's Board of Directors (the "Board") has approved Mr. Bernstein's appointment as Non-Executive Chairman of the Board, effective on the date of the 2025 Annual Meeting. Also on February 3, 2025, the Board appointed Farouq Tuweiq as the successor President and Chief Executive Officer of the Company, effective immediately following the 2025 Annual Meeting. The Board additionally approved the expansion of the Board to ten directors and the appointment of Mr. Tuweiq as a director on the Board, effective as of the date of the 2025 Annual Meeting. Mr. Tuweiq is expected to be nominated by the Board for election as a director for a full three-year term at the 2025 Annual Meeting.

Acquisitions have played a critical role in the growth of Bel and the expansion of both our product portfolio and our customer base and continue to be an important element in our growth strategy. We frequently evaluate possible acquisition candidates that would expand our product and technology offerings to our customers and/or optimize our overall cost structure.

On November 14, 2024, the Company closed on the acquisition of its majority 80% stake in Enercon Technologies, Ltd. ("Enercon") pursuant to the terms of the Share Purchase Agreement, dated as of September 19, 2024 (the "Purchase Agreement"), by and among the Company, Enercon, and FF3 Holdings, L.P., for itself and as Sellers' Representative ("FF3"), and each of the other seller parties signatory thereto (collectively with FF3, the "Sellers"). Enercon is a leading supplier of highly customized power conversion and networking solutions to aerospace and defense markets globally, providing robust and reliable solutions across air, land and sea applications. Enercon is based in Netanya, Israel with additional facilities in New Hampshire, U.S. and Haryana, India. The Enercon business is part of Bel's Power Solutions and Protection group. At the closing, Bel paid an aggregate of approximately \$325.6 million in cash in respect of the cash purchase price (after giving effect to estimated adjustments taken at closing including for Enercon's cash, indebtedness, net working capital and unpaid transaction costs, and subject to further adjustment post-closing). Bel funded the closing of the transaction through cash on hand of approximately \$85.6 million and with approximately \$240 million provided through incremental borrowings under the Company's revolving credit facility. Pursuant to the transaction documents, Bel may acquire the remaining 20% stake in Enercon and has the current intention to so purchase such remaining interest by early 2027 in accordance with the terms and subject to the conditions of a shareholders' agreement, which was also entered into on November 14, 2024. The preceding statement regarding Bel's intention to purchase the remaining interest in Enercon represents a Forward-Looking Statement. See "*Cautionary Notice Regarding Forward-Looking Information.*" See Note 3, "*Acquisition and Divestiture*" for further details about the Enercon acquisition.

On February 1, 2023, Bel closed on an €8.0 million (approximately \$8.8 million as of the February 2023 closing) noncontrolling (one-third) investment in innoelectric AG ("innoelectric"), a Germany-based business in the field of on-board charging for eMobility applications. This passive investment creates a strategic alliance that is focused on Electric Vehicles ("EV") on-board power electronics, and in particular next generation fast-charging technology. With no product overlap, this relationship expanded the Bel eMobility Power portfolio, and further enhanced Bel's competitive position in this emerging field. The innoelectric investment is part of Bel's Power Solutions and Protection group.

On March 31, 2021, the Company completed the acquisition of EOS Power ("EOS") through a stock purchase agreement for \$7.8 million, net of cash acquired, including a working capital adjustment. EOS, located in Mumbai, India, enhanced Bel's position related to certain industrial and medical markets historically served by EOS, with a strong line of high-power density and low-profile products with high convection ratings. In addition to new products and customers acquired, this acquisition diversified Bel's manufacturing footprint in Asia. The EOS business is part of Bel's Power Solutions and Protection group.

On January 8, 2021, the Company acquired rms Connectors, Inc. ("rms Connectors" or "rms"), from rms Company Inc., a division of Cretex Companies, Inc., for \$9.0 million in cash, including a working capital adjustment. rms Connectors is a highly regarded connector manufacturer with over 30 years of experience producing harsh environment circular connectors used in a variety of military and aerospace applications. This acquisition complemented Bel's existing military and aerospace product portfolio and enabled us to expand key customer relationships within these end markets and leverage the combined manufacturing resources to improve our operational efficiency. Originally based in Coon Rapids, Minnesota, the rms Connectors business was relocated into Bel's existing facilities during 2021 and is part of Bel's Connectivity Solutions group.

## Products

The Company primarily generates revenue through the sale of its products. Bel offers a broad array of product offerings, which are grouped as follows: Power Solutions & Protection (46% of net sales in 2024), Connectivity Solutions (41% of net sales in 2024) and Magnetic Solutions (13% of net sales in 2024). While there are key customers and end markets within each of the three product groups, there were no direct customers who accounted for more than 10% of our consolidated net sales in 2024. Our diverse product mix and customer base minimizes our dependence on any one customer or end market.

### Power Solutions and Protection

Bel's power conversion products include internal and external AC/DC power supplies, DC/DC converters and DC/AC inverters. Bel circuit protection products include a board offering of surface mount and through-hole level fuses as well as Polymeric PTC (Positive Temperature Coefficient) devices. The Power and Protection products are primarily used in Aerospace, Defense, Servers, Storage, Networking, Transportation, Harsh Environment, Consumer, Medical and Industrial markets.

	Product Line	Function	Applications	Brands Sold Under
<b>Power Solutions and Protection</b>	Front-End Power Supplies	Provides the primary point of isolation between AC main line (input) and the low-voltage DC output that is used to power all electronics downstream.	Servers, telecommunication, network and data storage equipment.	Bel Power Solutions & Protection
	Board-Mount Power Products	These are designed to be mounted on a circuit board. These converters take input voltage and provide localized on-board power to low-voltage electronics.	Telecommunication, networking and a broad range of industrial applications.	Bel Power Solutions & Protection, Melcher™, CUI
	Industrial and Transportation Power Products	Designed to be used in industrial equipment or on-board and off-board transportation applications for powering various AC and DC electronics, battery charging and power management.	Rail, transportation, automation, test and measurement, medical and eMobility applications.	Bel Power Solutions & Protection, Melcher™, CUI, EOS
	Military, Aerospace and Defense Products	Customized Power and Networking solutions designed to meet harsh environment standards.	Military, Aerospace and Defense applications including air, ground, sea, space and soldier.	Enercon, MilPower
	External Power Products	Standard and customizable desktop and wall plug adapters that convert AC main input voltages to a variety of DC output voltages.	Consumer and industrial devices and equipment.	CUI, EOS
	Circuit Protection	Protects devices by preventing current in an electrical circuit from exceeding acceptable levels.	Consumer electronics, power supplies, electric vehicles, EV chargers, battery charging and lighting.	Bel Power Solutions & Protection

## Connectivity Solutions

Bel offers a comprehensive line of high speed and harsh environment copper and optical fiber connectors and integrated assemblies, which provide connectivity for a wide range of applications across multiple industries including commercial aerospace, military communications, defense, network infrastructure, structured building cabling and several industrial applications.

	<b>Product Line</b>	<b>Function</b>	<b>Applications</b>	<b>Brands Sold Under</b>
<b>Connectivity Solutions</b>	Expanded Beam Fiber Optic Connectors, Cable Assemblies and Active Optical Devices (transceivers and media converters)	Harsh-environment, high-reliability, flight-grade optical connectivity for high-speed communications.	Military/aerospace, space, oil and gas well monitoring and exploration, broadcast, communications, RADAR.	Stratos®, Fibreco®
	Copper-based Connectors / Cable Assemblies-FQIS	Harsh-environment, high-reliability connectivity and fuel quantity monitoring (FQIS).	Avionics, smart munitions, communications, radar and various industrial equipment.	Cinch®
	RF Connectors, Cable Assemblies, Microwave Devices and Low Loss Cable	Connectors and cable assemblies designed to provide connectivity within radio frequency (RF) applications.	Military/aerospace, space, test and measurement, internet-of-things (IoT), 5G high-frequency and wireless communications.	Johnson, Trompeter, Midwest Microwave™, Semflex®
	Ethernet, I/O, Industrial and Power Connectivity	RJ45, RJ11, M12, IP67 and USB connectivity for data/voice/video transmission.	Applications including routers, hubs, switches, peripheral device connectivity and patch panels; and emerging IoT applications.	Stewart Connector

## Magnetic Solutions

Bel's Magnetics offers industry-leading products. The Company's ICM products integrate RJ45 connectors with discrete magnetic components to provide better performance and a more robust device that allows customers to substantially reduce board space and optimize performance. Power Transformers include standard and custom designs for use in a wide array of applications, including industrial instrumentation, alarm and security systems, motion control, elevators, and medical products.

	<b>Product Line</b>	<b>Function</b>	<b>Applications</b>	<b>Brands Sold Under</b>
<b>Magnetic Solutions</b>	Integrated Connector Modules (ICMs)	Condition, filter, and isolate the electronic signal to ensure accurate data/voice/video transmission and provide RJ45 and USB connectivity.	Network switches, routers, hubs, and PCs used in multi-speed Gigabit Ethernet, Power over Ethernet (PoE), PoE Plus and home networking applications.	Bel, TRP Connector®, MagJack®
	Power Transformers	Safety isolation and distribution.	Power supplies, alarm, fire detection, and security systems, HVAC, lighting and medical equipment. Class 2, three phase, chassis mount, and PC mount designs available.	Signal
	SMD Power Inductors & SMPS Transformers	A passive component that stores energy in a magnetic field. Widely used in analog electronic circuitry.	Switchmode power supplies, DC/DC converters, LED lighting, automotive and consumer electronics.	Signal
	Discrete Components-Ethernet	Condition, filter, and isolate the electronic signals to ensure high speed Ethernet data transmission.	Network switches, routers, hubs, and PCs used in multi-speed Gigabit Ethernet and Power over Ethernet (PoE).	Bel

## Sales and Marketing

We sell our products to customers throughout North America, Europe and Asia. Sales are made through one of three channels: strategic account managers or in some cases, regional sales managers, working directly with our customers; regional sales managers working with independent sales representative organizations; or authorized distributors. Bel's strategic account managers are assigned to handle major accounts requiring global coordination.

Independent sales representatives and authorized distributors are overseen by the Company's sales management personnel located throughout the world. As of December 31, 2024, we had a sales and support staff of approximately 240 people that supported a network of sales representative organizations and non-exclusive distributors. We have written agreements with all our sales representative organizations and most of our major distributors. These written agreements, terminable on short notice by either party, are standard in the industry.

Sales support functions have also been established and located in our international facilities to provide timely, efficient support for customers. This supplemental level of service, in addition to first-line sales support, enables us to be more responsive to customers' needs on a global level. Our marketing capabilities include product management which drives new product development, application engineering for technical support and marketing communications.

## **Market Factors**

### Competition

We operate in a variety of markets, all of which are highly competitive. There are numerous independent companies and divisions of major companies that manufacture products that are competitive with one or more of our products.

Our ability to compete is dependent upon several factors including product performance, quality, reliability, depth of product line, customer service, technological innovation, design, delivery time and price. Overall financial stability and global presence also give us a favorable position in relation to some of our competitors. Management intends to maintain a strong competitive posture in the markets we serve by continued expansion of our product lines and ongoing investment in research, development and manufacturing resources. The preceding sentence represents a Forward-Looking Statement. See "*Cautionary Notice Regarding Forward-Looking Information.*"

### Trends in Market Demand

Product orders, or bookings, received during 2024 amounted to \$416.8 million, a 7% decrease from 2023. By product group, orders received for our Power Solutions and Protection products amounted to \$139.7 million in 2024, a 24% decrease from 2023, largely due, we believe, to our networking and distribution customers working through their existing levels of inventory on hand. Orders received for our Connectivity Solutions products were \$212.1 million in 2024, 1% lower than in 2023, as a result of decreased demand from our distribution partners largely offset by a rebound in demand from our direct and aftermarket commercial aerospace and military customers. Bookings for our Magnetic Solutions products decreased by 24% from 2023 to \$65.0 million in 2024, largely due to reduced demand from our networking customers.

### Backlog of Orders

We typically manufacture products against firm orders and projected usage by customers. Cancellation and return arrangements are either negotiated by us on a transactional basis or contractually determined. We estimate the value of the backlog of orders as of January 31, 2025 to be approximately \$388.1 million as compared with a backlog of \$358.3 million as of January 31, 2024. The backlog of orders at January 31, 2025 includes \$132.5 million from Enercon (acquired in November 2024). Management estimates that approximately 80%-85% of the Company's backlog as of January 31, 2025 will be shipped by December 31, 2025. Factors that could cause the Company to fail to ship all such orders by year-end include unanticipated supply difficulties, changes in customer demand and new customer designs. Due to these factors, backlog may not be a reliable indicator of the timing of future sales. The preceding statements regarding the Company's backlog, including but not limited to estimates and anticipated timing of shipping, represent Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"

## Research and Development ("R&D")

Our engineering groups are strategically located around the world to facilitate communication with and access to customers' engineering personnel. This collaborative approach enables partnerships with customers for technical development efforts. The global capabilities and collaborative approach allows Bel to develop leading edge technological products that support highly complex and evolving markets such as defense, commercial aerospace, eMobility, cloud computing, and others. On occasion, we execute non-disclosure agreements with customers to help develop proprietary, next generation products intended for rapid deployment. We also sponsor membership in technical organizations that allow our engineers to participate in developing standards for emerging technologies. It is management's opinion that this participation is critical in establishing credibility and a reputable level of expertise in the marketplace, as well as positioning the Company as an industry leader in new product development.

R&D costs are expensed as incurred. Generally, R&D is performed internally for the benefit of the Company. R&D costs include salaries, building maintenance and utilities, rents, materials, administrative costs and miscellaneous other items.

## **Resources**

### Raw Materials and Sourcing

We have multiple suppliers for most of the raw materials that we purchase. Where possible, we have contractual agreements with suppliers to assure a continuing supply of critical components.

With respect to those items which are purchased from single sources, we believe that comparable items would be available in the event that there were a termination of our existing business relationships with any such supplier. While such a termination could produce a disruption in production, we believe that the termination of business with any one of our suppliers would not have a material adverse effect on our long-term operations. Actual experience could differ materially from this belief as a result of a number of factors, including the time required to locate an alternative supplier, and the nature of the demand for our products. Sharp increases in metal commodity prices, particularly Copper (Cu) and Gold (Au) over the past few years continue to impact cost structures and supplier pricing. Even though we may have more than one supplier for certain materials, it is possible that these materials may not be available to us in sufficient quantities or at the times desired by us. In the event that economic conditions have a negative impact on the financial condition of our suppliers, this may impact the availability and cost of our raw materials.

### Intellectual Property

We have acquired or been granted a number of patents in the U.S., Europe and Asia and have additional patent applications pending relating to our products. Our U.S. design patents have a life of 14 years and our U.S. utility patents have a life of 17 years from the date of issue or 20 years from filing of patent applications. Our existing patents expire on various dates through July 2041. It is management's opinion that the successful continuation and operation of our business does not depend upon the ownership of patents or the granting of pending patent applications, but upon the innovative skills, technical competence and marketing and managerial abilities of our personnel.

We utilize registered trademarks in the U.S., Europe and Asia to identify various products that we manufacture. The trademarks survive as long as they are in use and the registrations of these trademarks are renewed.

## **Government Contracts**

We must comply with and are affected by laws and regulations relating to the award, administration, and performance of U.S. Government contracts. Government contract laws and regulations affect how we do business with our customers and, in some instances, impose added costs on our business. A violation of specific laws and regulations could result in the imposition of fines and penalties or the termination of our contracts or debarment from bidding on contracts. These fines and penalties could be imposed for failing to follow procurement integrity and bidding rules, employing improper billing practices or otherwise failing to follow cost accounting standards, receiving or paying kickbacks, or filing false claims. We have been, and expect to continue to be, subjected to audits and investigations by government agencies. The failure to comply with the terms of our government contracts could harm our business reputation. It could also result in our progress payments being withheld.

In some instances, these laws and regulations impose terms or rights that are more favorable to the government than those typically available to commercial parties in negotiated transactions. For example, the U.S. Government may terminate any of our government contracts and, in general, subcontracts, at its convenience as well as for default based on performance. Upon termination for convenience of a fixed-price type contract, we normally are entitled to receive the purchase price for delivered items, reimbursement for allowable costs for work-in-process, and an allowance for profit on work actually completed on the contract or adjustment for loss if completion of performance would have resulted in a loss. Upon termination for convenience of a Federal Government cost reimbursement contract, we normally are entitled to reimbursement of allowable costs plus a portion of the fee. Such allowable costs would normally include our cost to terminate agreements with our suppliers and subcontractors. The amount of the fee recovered, if any, is related to the portion of the work accomplished prior to termination and is determined by negotiation.

### **Seasonality**

In the PRC, the availability of labor is cyclical and is significantly affected by the migration of workers in relation to the annual Lunar New Year holiday. Each year following the Lunar New Year holiday, we must assess the worker return rate and whether it is adequate to meet the needs of current demand from our customers. Accordingly, we must continually recruit and train new workers to replace those lost to attrition each year and to address peaks in demand that may occur from time to time. This temporary setback in production has historically resulted in our first quarter sales being the lowest sales quarter of the year. Further, recruiting and training efforts and related inefficiencies, as well as overtime required in order to meet demand, can add volatility to the costs incurred by the Company for labor in the PRC, primarily during the first quarter of the year.

### **Government Regulations**

The Company is subject to various government regulations in the United States as well as various jurisdictions where it operates. These regulations cover several diverse areas including trade compliance, anti-bribery, anti-corruption, money laundering, and data and privacy protection. Regulatory or government authorities where the Company operates may have enforcement powers that can subject the company to legal penalties or other measures and can impose changes or conditions in the way it conducts business.

### **Human Capital Resources, Strategy and Management**

At Bel, our values guide everything we do. We are committed to the highest standards of ethical and legal conduct and have created an environment where open and honest communication is the expectation, not the exception. Failing to do so puts Bel's name, reputation for integrity and business at risk. We hold all employees of Bel (our associates) to this standard and offer the same in return. Our Code of Ethics was created to ensure that our associates, officers, directors, partners, contractors, and suppliers follow our commitment to customer satisfaction in accordance with ethical and legal standards, guided by the basic, unchanging principle of integrity.

Our Human Capital Strategy is built around four areas:

#### *Extraordinary Performance*

Our associates are a critical driver of Bel's global business results. On December 31, 2024, Bel employed approximately 5,370 associates, almost all of which are full-time, across 15 countries, with 31.0% located within North America. Outside of the United States, our largest employee populations were located within the PRC, Mexico, Slovakia, the Dominican Republic, Israel, India and the United Kingdom. We regularly monitor various key performance indicators around the key human capital priorities of attracting, retaining, and engaging our global talent. In addition, we enable the execution of our strategic priorities by providing all associates with access to training and development opportunities to improve critical skill sets.

#### *Great Associates*

Bel is committed to fostering an inclusive environment that respects and encourages individual differences, diversity of thought, and talent. We strive to create a workplace where associates feel that their contributions are welcomed and valued, allowing them to fully utilize their talents while achieving personal satisfaction in their respective roles within Bel.

Across the organization, we invest in our people to learn in a variety of ways - on the job, in the classroom, through self-directed learning, and through leadership programs. We have expanded our learning management system to make new content and training available to our associates. The Company has advanced its leadership development programs and continues to enhance internship and apprenticeship programs to develop new talent.

#### *Health and Safety*

Bel offers a variety of programs globally to protect the health and safety of our associates. While we maintain targets for year-over-year reduction of the total recordable incident rate and serious injuries, our goal is always zero.

## *Culture*

In an increasingly competitive global marketplace, Bel succeeds when we attract and retain the best talent in the communities in which we operate, without regard to race, sex, religion, national origin, disability status, veteran status, or any other protected category. We support this commitment by participating in networking and community events and actively recruiting a broad group of qualified candidates.

As a global leader in delivering reliable solutions, Bel has signed a Statement of Support Program declaration to show support for National Guard and Reserve member associates coordinated by the Department of Defense's Employer Support of the Guard and Reserve (ESGR) program. The intent of the program is to increase employer support by encouraging employers to act as advocates for associate participation in the military.

The global human resources team members are strategically placed, primarily in manufacturing facilities, to provide support to all our associates. The mission of human resources is to attract, retain and engage the best people. We create a positive work environment where associates can make a difference.

As a company that has been in business for over 75 years, Bel understands the importance of trust, integrity and accountability of all levels of the organization. Our policies, practices and priorities are continually reviewed to align with the best interests of our associates, shareholders and other stakeholders.

## **Environmental, Social and Governance (“ESG”) Matters**

Bel is committed to creating a better tomorrow by understanding how our actions impact the world around us. We aim to accomplish this by making tangible steps, big and small, to invest in our communities, to seek to minimize environmental impact and to promote alignment of interest among stakeholders. As an organization that thrives on learning and continuous improvement, Bel welcomes and embraces change. Over the last few years, we have worked to drive continuous improvements in these areas. Oversight of Bel’s compliance with government-mandated ESG disclosures and reporting requirements and other internal initiatives starts at the Board level, through its Nominating and ESG Committee. Bel also has an internal ESG Committee whose purpose is to support the Company’s ongoing commitment to ESG matters including environmental stewardship, health and safety, corporate social responsibility, corporate governance, sustainability, and other related issues of significance to the Company. Bel’s internal ESG Committee provides updates to either the Nominating and ESG Committee or to the full Board on a quarterly basis.

### Environmental

At Bel, we understand the impact of climate change upon so many aspects of our lives and our future, and we are committed to reducing environmental impact for a more sustainable tomorrow. We consistently look for alternatives and approaches to consider in Bel’s business and strategies at multiple levels, from improving the efficiency ratings of our products and factories to better managing our consumption habits of electricity and water.

Bel has started the process of measuring the impact of its operations on the environment and intends to utilize these measurements to establish reduction goals and related initiatives throughout the global organization. Today we have 22 manufacturing facilities of various sizes and five of them are ISO 14001 certified and represent 63% of our manufacturing footprint. These five sites have been measuring their consumption levels of natural gas, electricity and water and have targets in place for reducing consumption and waste and improving recycling efforts. For the rest of our manufacturing sites, we intend to follow an approach comparable to the template laid out with these five as we begin the process of better understanding our impact.

### Social

Associates are the cornerstone of our business and key to our success. At Bel, we believe in the need for diversity and inclusion that reflects the communities in which we work and live. Associates are encouraged to bring with them their unique perspectives, opinions and experiences as they work for the betterment of Bel, its customers and the locations in which we operate. Bel recognizes its role in the global community and giving back is a priority. From coaching their local sports team to raising funds for local charities of choice, Bel supports and encourages our associates’ participation in these types of activities.

#### 2024 Charitable Contribution Program:

In 2022, Bel launched a Company-wide Charitable Contribution Program to ensure consistency and drive our corporate values across the organization. The social program is also in alignment with our Core Value of Community Engagement and directly reflects the ambitions of our ESG initiative to support the global communities within which we operate. In 2024, the program resulted in contributions of \$168,975 to 48 local charities across 13 countries. There was a matching program for the organizations selected and associates who donated. In addition, associates volunteered 6,007 hours to support their local communities, an increase from the 3,181 volunteer hours in 2023.

## Governance

As a company that has been in business for more than 75 years, Bel understands the importance of trust, integrity and accountability at all levels of the organization. Recent additions to our Board and executive management team have brought greater diversity and new perspectives to Bel. We intend that our policies, practices and priorities will be periodically and continually reviewed as appropriate to better align with the best interests of our shareholders, associates and other stakeholders.

In addition to the Board-level ESG oversight, the Company adheres to Bel's Corporate Governance Guidelines which are available at <https://ir.belfuse.com/corporate-governance>. These guidelines, which are designed to enhance the Company's corporate governance, serve as a framework within which the Board will conduct its business, subject to applicable laws, regulations, listing requirements, and the Company's organizational documents and Board committee charters.

The foregoing discussion of ESG matters contains Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"

## **Available Information**

We maintain a website at [www.belfuse.com](http://www.belfuse.com) where we make available free of charge the proxy statements, press releases, registration statements and reports on Forms 3, 4, 5, 8-K, 10-K and 10-Q, and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act that we (and in the case of Section 16 reports, our insiders) file with the SEC. These forms are made available as soon as reasonably practicable after such material is electronically filed with or furnished to the SEC. Press releases are also issued via electronic transmission to provide access to our financial and product news, and we provide notification of and access to voice and internet broadcasts of our quarterly and annual results. Our website also includes investor presentations and corporate governance materials. The information contained on our website is not incorporated by reference into this Annual Report on Form 10-K or in any other report or document we file with the SEC.

## **Item 1A. Risk Factors**

The risks described below should be carefully considered before making an investment decision. These are the risk factors that we consider to be material, but they are not the only risk factors that should be considered in making an investment decision. This Form 10-K also contains Forward-Looking Statements that involve risks and uncertainties. See the "*Cautionary Notice Regarding Forward-Looking Information,*" above. Our business, consolidated financial condition and consolidated results of operations could be materially adversely affected by any of the risk factors described below, under "*Cautionary Notice Regarding Forward-Looking Information*" or with respect to specific Forward-Looking Statements presented herein. The trading price of our securities could decline due to any of these risks, and investors in our securities may lose all or part of their investment. Additional risks and uncertainties not presently known to us or that we currently believe to be immaterial may also materially adversely affect our business in the future. Except as required by the federal securities law, we undertake no obligation to update or revise any risk factor, whether as a result of new information, future events or otherwise.

## **STRATEGIC RISKS**

### ***We conduct business in a highly competitive industry.***

Our business operates in a globally competitive industry, with relatively low barriers to entry. We compete principally on the basis of product performance, quality, reliability, depth of product line, customer service, technological innovation, design, delivery time and price. The industry in which we operate has become increasingly concentrated and globalized in recent years and our major competitors, many of which are larger than Bel, have significant financial resources and technological capabilities.

### ***Our intellectual property rights may not be adequately protected under the current state of the law.***

Our efforts to protect our intellectual property rights through patent, copyright, trademark and trade secret laws in the United States and in other countries may not prevent misappropriation, and our failure or inability to protect our proprietary rights could materially adversely affect our business, financial condition, operating results and future prospects. A third party could, without authorization, copy or otherwise appropriate our proprietary information. Our agreements with employees and others who participate in development activities could be breached, we may not have adequate remedies for any breach, and our trade secrets may otherwise become known or independently developed by competitors.

***Our acquisitions may not produce the anticipated results.***

A significant portion of our growth has been attributable to acquisitions. We cannot assure that we will identify or successfully complete transactions with suitable acquisition candidates in the future. If an acquired business fails to operate as anticipated or cannot be successfully integrated with our other businesses, our results of operations, enterprise value, market value and prospects could all be materially and adversely affected. Integration of new acquisitions into our consolidated operations may result in lower average operating results for the group as a whole, and may divert management's focus from the ongoing operations of the Company during the integration period.

Our strategy also focuses on the reduction of selling, general and administrative expenses through the integration or elimination of redundant sales facilities and administrative functions at acquired companies. If we are unable to achieve our expectations with respect to our acquisitions, such inability could have a material and adverse effect on our results of operations. If the acquisitions fail to perform up to our expectations, or if there is a weakening of economic conditions, we could be required to record impairment charges on the goodwill and/or other assets associated with our acquisitions.

***We may encounter unanticipated difficulties following our November 2024 acquisition of our 80%-owned Enercon subsidiary, including if we are unable to integrate the Enercon business successfully, or if we fail to realize the expected benefits and synergies of the acquisition within the expected time period (if at all). In addition, our business may be disrupted if our intended acquisition of the remaining 20% stake in Enercon is not completed for any reason.***

In November 2024, we completed our acquisition of our 80% interest in Enercon. The success of our recently-closed Enercon acquisition will depend, in significant part, on our ability to successfully integrate the acquired business, establish and maintain good relationships with new and existing customers, suppliers, and other business partners, grow the revenue of the consolidated company and realize the anticipated strategic benefits and synergies. The combination of businesses is a complex, costly and time-consuming process. As a result, while we have devoted significant management attention and resources prior to closing in preparation for integration, we expect to continue to devote significant management attention and resources now that the acquisition has closed in order to complete the integration of business practices and operations. We may encounter unanticipated difficulties or delays with the integration process, or may incur unexpected or higher than expected expenditures associated with the integration process and matters related to the acquisition. The integration process may disrupt Bel's legacy and acquired businesses and, if implemented ineffectively, would impair the realization of the full expected benefits. The anticipated opportunities in terms of potential growth and expansion offered by, and the anticipated benefits of, the Enercon acquisition may not be realized fully or at all, or may take longer to realize than we expect. Actual operating, strategic and revenue opportunities, if achieved at all, may be less significant than we expect or may take longer to achieve than anticipated. If we are not able to achieve these objectives and realize the anticipated benefits and synergies expected from the Enercon acquisition within a reasonable time, our business, financial condition and operating results may be materially adversely affected.

Pursuant to the transaction documents governing the Enercon acquisition, Bel may acquire the remaining 20% stake in Enercon and has the current intention to so purchase such remaining interest by early 2027 in accordance with the terms and subject to the conditions of the shareholders' agreement, which was entered into at the November 14, 2024 closing on the initial 80% interest. The purchase of the remaining 20% interest in Enercon is subject to the put-call mechanism set forth in the shareholders' agreement and the other terms and conditions thereof. There can be no assurances that we will complete the acquisition of the remaining 20% interest in Enercon by early 2027 as intended, or at all. Any failure to complete our intended acquisition of the remaining 20% interest may disrupt our plans, operations, and relationships with customers, suppliers, distributors, business partners and regulators, can cause potential difficulties in employee retention, and can have a material adverse effect on our business and results of operations.

***We are dependent on our ability to develop new products.***

Our future operating results are dependent, in part, on our ability to develop, produce and market new and more technologically advanced products. There are numerous risks inherent in this process, including the risks that we will be unable to anticipate the direction of technological change or that we will be unable to timely develop and bring to market new products and applications to meet customers' changing needs.

## OPERATIONAL RISKS

***Our global operations and demand for our products face risks related to public health crises, including potential future outbreaks, epidemics or pandemics.***

Any outbreaks of contagious diseases and other adverse public health developments in countries where we operate could have a material and adverse effect on our business, consolidated financial condition and consolidated results of operations. In the past, our business was impacted by temporary facility closures, shelter-in-place orders and challenges related to travel restrictions imposed by the local governmental authorities as a result of a health epidemic, including precautionary measures during the coronavirus pandemic. Our suppliers, customers and our customers' contract manufacturers have experienced similar challenges from time to time. Any future outbreaks, health epidemics or pandemics could result in similar measures, which may materially adversely affect our financial results.

***We may experience labor unrest.***

As we periodically implement transfers of certain of our operations, we may experience strikes or other types of labor unrest as a result of lay-offs or termination of employees in higher labor cost countries. Our manufacturing facilities in the United Kingdom and Mexico are represented by labor unions and substantially all of our factory workers in the PRC are represented by government-sponsored unions.

***We may experience labor shortages.***

Government, economic, social and labor policies in the PRC may cause shortages of factory labor in areas where we have some of our products manufactured. Further, availability of labor in the PRC is cyclical and is significantly affected by the migration of workers in relation to the annual Lunar New Year holiday. If we are required to manufacture more of these products outside of the PRC as a result of such shortages, our margins will likely be materially adversely affected.

***A shortage of availability or an increase in the cost of raw materials, components and other resources may adversely impact our ability to procure these items at cost effective prices and thus may negatively impact profit margins. Our access to parts or materials, and our ability to contract with suppliers, may be limited or prohibited from time to time by trade restrictions or other legal or regulatory enactments. Additionally, inflationary pressures could result in higher input costs and materially adversely affect our financial results.***

Our results of operations may be materially adversely impacted by difficulties in obtaining raw materials, supplies, power, labor, natural resources and any other items needed for the production of our products, as well as by the effects of quality deviations in raw materials and the effects of significant fluctuations in the prices of existing inventories and purchase commitments for these materials. Many of these materials and components are produced by a limited number of suppliers and their availability to us may be constrained by supplier capacity. Any material disruption could materially adversely affect our financial results.

Additionally, our access to parts or materials, and our ability to contract with suppliers utilized previously, may be limited or prohibited from time to time by trade restrictions or other legal or regulatory enactments. We anticipate continued downward pressure on our Power sales given trade restrictions on one of our former suppliers previously utilized for this segment, which had historically supported approximately \$3 to \$4 million per quarter of our sales into the consumer end market. We are currently evaluating alternative manufacturing options for the components previously supplied by this manufacturer. To the extent our suppliers in the PRC are negatively impacted by new or amended regulations, any such negative implications could adversely impact our supply chain, including in the form of increased costs, disruptions, shortages or unavailability of product or component parts, and/or other deleterious consequences, which could materially adversely affect our business and operating results.

In addition, inflationary pressures could result in higher input costs, including those related to our raw materials, labor, freight, utilities, healthcare and other expenses. Our future operating results will depend, in part, on our continued ability to manage these fluctuations through pricing actions, cost savings initiatives and sourcing decisions, and any negative impact of inflation could materially adversely affect our financial results.

See "Overview - Key Factors Affecting our Business" in Item 7 of this Annual Report on Form 10-K for a discussion of how pricing and availability of materials is currently impacting our business.

***Demand in Enercon's end markets can be cyclical, impacting the demand for its products, and Enercon's business could be materially adversely affected by reductions in defense spending.***

Our majority 80%-owned subsidiary Enercon is a leading supplier of highly customized power conversion and networking solutions to aerospace and defense markets globally. For full fiscal year 2024, approximately 93% and 7% of Enercon's revenue was attributable to the defense and aerospace end markets, respectively. Demand in Enercon's end-use markets can be sensitive to general economic conditions, competitive influences, and fluctuations in inventory levels throughout the supply chain. Enercon's sales are sensitive to the market conditions present in the industries in which the ultimate consumers of its products operate, which in some cases have been highly cyclical and subject to substantial downturns.

As a result of the high correlation to government spending on defense and budgeting, Enercon has experienced, and in the future, it may experience, significant fluctuations in sales and results of operations with respect to a substantial portion of our total product offering, and such fluctuations could be material and adverse to our overall financial condition, results of operations and liquidity.

Because certain of Enercon's products are used in a variety of land, air and sea defense applications, Enercon derives a substantial portion of its revenue from the defense industry. For full fiscal year 2024, approximately 93% of Enercon's revenue was derived from customers in the defense industry. Although many of the programs under which Enercon sells products to prime U.S. and Israeli government contractors extend several years, they are subject to annual funding through governmental appropriations. While spending authorizations for defense-related programs by the U.S. and Israeli governments have increased in recent years, these spending levels may not be sustainable and could significantly decline. Future levels of expenditures, authorizations, and appropriations for programs Enercon supports may decrease or shift to programs in areas where Enercon does not currently provide services. Changes in spending authorizations, appropriations, and budgetary priorities could also occur due to a shift in the number, and intensity, of potential and ongoing conflicts, shifts in spending priorities from national defense as a result of competing demands for government funds, or other factors. Enercon's business prospects, financial condition or operating results could be materially harmed among other causes by the following: (1) budgetary constraints affecting U.S. and/or Israeli government spending generally, or specific departments or agencies in particular, and changes in available funding; (2) changes in government programs or requirements; and (3) a prolonged government shutdown and other potential delays in the appropriations process.

***We have substantial manufacturing operations located in the PRC, which exposes us to significant risks that could materially and adversely affect our business, operations, consolidated financial condition and consolidated results of operations.***

The majority of Bel's Magnetic Solutions manufacturing capacity and supplier base is located in the PRC, as is a portion of Bel's Power Solutions and Protection group. As of December 31, 2024, 41% of our associates, 62% of our owned or leased manufacturing facilities (by square footage) and 7.3% of our Company's tangible assets were all located in the PRC. Our Company's presence and operations in the PRC expose us to significant risks that could materially and adversely affect our Company and our business, operations, financial position and results of operations.

For example, our significant operational presence in the PRC exposes us to foreign currency exchange risk. Our PRC-based manufacturing associates' salaries, and other labor and overhead costs, associated with our PRC operations are paid in the Chinese renminbi. As a result, the cost of our operations and our consolidated operating results may be adversely impacted by the effects of fluctuations in the applicable exchange rate for the renminbi as compared to the U.S. dollar.

Our significant labor force based within the PRC subjects us to risks associated with staffing and managing this substantial complement of factory workers and other associates who are important to our Company's operations and success. As noted above, factory workers in the PRC are represented by government-sponsored unions, and are participants in a cyclical labor market that may become subject to shortages including as a result of PRC government policies. See "*We may experience labor unrest*" and "*We may experience labor shortages*" above. Wage rates in the PRC have been increasing in recent years as PRC government-mandated increases in the minimum wage rate have caused an increase in our overall pay scale for our PRC workers.

The PRC government has broad authority and discretion to regulate the economy, manufacturing, industry, and the technology sector, among other areas generally. As a result, our activities and operations in the PRC as well as those of our PRC-based suppliers are subject to extensive local government regulation. Additionally, the PRC government has implemented policies from time to time to regulate economic expansion. It exercises significant control over its economic growth through the allocation of resources, setting monetary policy and providing preferential treatment to particular industries or companies. Any additional new regulations or the amendment of previously implemented regulations could require us to change our business plans, increase our costs, or limit our ability to manufacture and sell products domestically and/or otherwise restrict or curtail our operations in the PRC. To the extent our suppliers in the PRC are negatively impacted by new or amended regulations, any such negative implications could adversely impact our supply chain, including in the form of increased costs, disruptions, shortages or unavailability of product or component parts, and/or other deleterious consequences, which could materially adversely affect our business and operating results.

Our significant manufacturing operations in the PRC may expose us to other risks. Risks inherent in our PRC operations include the following:

- changes in import, export, transportation regulations and tariffs, and risks associated with boycotts and embargoes;
- changes in, or impositions of, legislative or regulatory requirements or restrictions, including tax and trade laws in the U.S. and in the PRC, and government action to restrict our ability to sell to customers where sales of products may require export licenses;
- transportation delays and other supply chain issues;
- changes in tax regulations in the U.S. and/or the PRC, including restrictions and/or taxes applicable to the transfer or repatriation of funds;
- international political relationships, including the relationship between the U.S. and the PRC;
- epidemics and illnesses within the PRC that affect the areas in which we operate and manufacture our products;
- economic, social and political instability;
- longer accounts receivable collection cycles and difficulties in collecting accounts receivable;
- less effective protection of intellectual property and contractual arrangements, and risks associated with enforcing contracts and legal rights and remedies generally;
- uncertainties associated with the PRC legal system, which is based on civil law, can involve protected proceedings involving substantial judicial discretion, and is based in part on PRC government policies and internal rules, some of which are not published on a timely basis, or at all, and may have retroactive effect;
- risks arising out of any changes in governmental and economic policy and the potential for adverse developments arising out of any political or economic instability related to Hong Kong or Taiwan;
- the potential for political unrest, expropriation, nationalization, revolution, war or acts of terrorism; and
- risks associated with the concentration of a substantial portion of our manufacturing capacity and supplier base in the PRC, including potential trade restrictions placed on PRC suppliers by the U.S. government.

In addition to the risks associated with our PRC operations described above, the global nature of our operations generally subjects us to additional risks. We conduct operations in 15 countries, and outside of the United States (and the PRC), our largest manufacturing operations and associate populations are located within Mexico, Slovakia, the Dominican Republic, Israel, India and the United Kingdom. Please see the Risk Factors appearing below under the captions, "*We may face risks related to conducting business in Israel*" and "*The global nature of our operations exposes us to numerous risks that could materially adversely affect our consolidated financial condition and consolidated results of operations.*"

***We may face risks related to conducting business in Israel.***

Following our November 2024 acquisition of Enercon, we may be subject to, and possibly adversely affected by, risks related to conducting business in Israel. Enercon, in which we acquired an 80% stake at the November 2024 closing and intend to acquire the remaining 20% interest by early 2027, is based in Netanya, Israel with additional facilities in New Hampshire, U.S. and Haryana, India. Enercon has approximately 300 employees located in Israel.

Companies based in or operating in, or having a significant number of employees located in Israel, may be more susceptible to political and economic instability. Political, economic and military conditions in Israel may directly affect their business. Since the establishment of the State of Israel in 1948, a number of armed conflicts have occurred between Israel and its neighbors. In October 2023, Hamas conducted several terrorist attacks in Israel resulting in ongoing war across the country, forcing the closure of many businesses in Israel for several days. In addition, there continues to be hostilities between Israel and Hezbollah in Lebanon and Hamas in the Gaza Strip, both of which resulted in rockets being fired into Israel, causing casualties and disruption of economic activities. In early 2023, there were a number of changes proposed to the political system in Israel by the current government which, if implemented as planned, could lead to large-scale protests and additional uncertainty, negatively impacting the operating environment in Israel. Uprisings in various countries in the Middle East over the last few years have also affected the political stability of those countries and have led to a decline in the regional security situation. Such instability may also lead to deterioration in the political and trade relationships that exist between Israel and these countries. Any armed conflicts, terrorist activities or political instability involving Israel or other countries in the region, as well as any interruption or curtailment of trade between Israel and its present trading partners, could adversely affect the business, results of operations, financial condition, cash flows and prospects of Enercon, and thus of consolidated Bel. In addition, any of these events or circumstances involving Israel or the region prior to the completion of our intended acquisition of the remaining 20% stake in Enercon may delay or prevent the completion of our purchase of the remaining 20% interest.

A number of countries, principally in the Middle East, still restrict doing business with Israel and Israeli companies, and additional countries may impose restrictions on doing business with Israel and Israeli companies if hostilities in Israel or political instability in the region continue or intensify. In addition, there have been increased efforts by activists to cause companies and consumers to boycott Israeli goods based on policies promulgated by the Israeli Government. Such boycotts, particularly if they become more widespread, may adversely impact the business of our Enercon subsidiary or Bel's broader business.

The operations of our Enercon subsidiary could also be disrupted by the absence for significant periods of one or more key employees or a significant number of other employees because of military service. Enercon's employees in Israel may be obligated to perform military reserve duty, and in certain emergency circumstances, employees may be called to immediate and unlimited active duty in the Israeli armed forces.

*The loss of certain substantial customers could materially and adversely affect us.*

During the year ended December 31, 2024, there were no direct customers or ultimate end customers whose sales exceeded 10% of our 2024 consolidated net sales. While there were no customers who exceeded 10% of our net sales in 2024, we have experienced significant concentrations of customers in prior years. (see Note 14, "Segments"). Furthermore, factors that negatively impact the businesses of our major customers could materially and adversely affect us even if the customer represents less than 10% of our 2024 consolidated net sales.

*We may not achieve all of the expected benefits from our restructuring programs.*

Over the past three years, the Company has undertaken a series of facility consolidations around the world, as further described in "Overview - Key Factors Affecting our Business - Restructuring" in Item 7 of this Annual Report. We make certain assumptions in estimating the anticipated savings we expect to achieve related to these initiatives, which include the estimated savings from the elimination of certain headcount and the consolidation of facilities. These assumptions may turn out to be incorrect due to a variety of factors. In addition, our ability to realize the expected benefits from these programs is subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. If we are unsuccessful in implementing these programs or if we do not achieve our expected results, our results of operations and cash flows could be adversely affected or our business operations could be disrupted.

## FINANCIAL RISKS

*There are several factors which can cause our margins to suffer.*

Our margins could be substantially impacted by the following factors:

- **Declines in Selling Prices:** The average selling prices for certain of our products tend to decrease over their life cycles, and customers put pressure on suppliers to lower prices even when production costs are increasing. Further, increased competition from low-cost suppliers around the world has put additional pressures on pricing. Any drop in demand for our products or increase in supply of competitive products could also cause a significant drop in our average sales prices.
- **Increases in Material Costs:** While we continually strive to negotiate better pricing for components and raw materials, there are many factors that could lead to higher material costs, or premiums incurred for expedited orders, including an increase in industry demand for or supplier shortages of certain components, or inflationary pressures. Further, commodity prices, especially those pertaining to gold and copper, can be volatile. Fluctuations in these prices and other commodity prices associated with Bel's raw materials will have a corresponding impact on our profit margins.
- **Increases in Labor Costs:** Wage rates, particularly in the PRC, Mexico, India and Slovakia where the majority of our manufacturing associates are located, have been gradually increasing in recent years as government-mandated increases in the minimum wage rate in these jurisdictions cause an increase in our overall pay scale. Labor costs can also be impacted by fluctuations in the exchange rates in which local wages are paid as compared to the U.S. dollar.

- **Imposition of Tariffs:** Governments may impose tariffs to raise domestic revenue, protect domestic industries or exert political leverage over another country. Bel is a global organization with a material volume of shipments of raw materials, work in progress and finished goods into and out of the U.S. to and from a number of other countries, including but not limited to the PRC, Mexico, India and throughout Europe. Any new or increase in tariffs imposed either by the U.S. government on foreign imports or by a foreign government on U.S. exports related to the countries in which Bel transacts business could lead to reduced margins or increased prices that could cause decreased customer demand. For additional information regarding risks associated with tariffs and the imposition of new or increased tariff rates, see the discussion set forth below under the caption, "*Changes in trade policies and tariffs and other factors beyond our control remain uncertain and may materially adversely impact our results. The imposition of new or increased tariffs and trade restrictions, particularly with respect to the PRC and Mexico, may materially adversely affect our business, financial condition, and results of operations.*"

Profit margins will be materially and adversely impacted if we are not able to reduce our costs of production, introduce technological innovations as sales prices decline, or pass through cost increases to customers.

***Changes in trade policies and tariffs and other factors beyond our control remain uncertain and may materially adversely impact our results. The imposition of new or increased tariffs and trade restrictions, particularly with respect to the PRC and Mexico, may materially adversely affect our business, financial condition, and results of operations.***

A significant portion of our electronic components, sub-assemblies, and finished products are manufactured in or sourced from the PRC and Mexico. We currently estimate that approximately 12-13% of our sales relate to product shipped from the PRC into the U.S., with an additional approximately 4% of our sales relating to product shipped from Mexico into the U.S. Additionally, as a global organization our business involves a material volume of shipments into and out of the U.S. to and from a number of other countries, including India and throughout Europe. The ongoing implementation and modification of tariffs, trade restrictions, and changes in trade agreements involving the aforementioned countries, together with general uncertainty about future changes in policy (including any new regulations, increased tariff rates, new tariffs or trade restrictions that may be implemented), could substantially increase our operating costs, reduce demand for our products and disrupt our supply chain. At this time, it remains unclear what further measures will be implemented or if additional countries may impose retaliatory tariffs. Any new or continued trade disputes or increased tensions between the U.S. and other countries, and any governmental actions, including further increases of existing tariffs or the imposition of new tariffs, may further exacerbate any increases to our operating costs, decreases in demand for our products, and disruptions to our supply chain. While we continue to implement strategies to mitigate these impacts, including diversifying our manufacturing footprint and seeking alternative suppliers, these efforts may not be fully successful and could result in increased costs, delayed shipments, and reduced margins.

Specifically regarding the PRC, recent actions by the U.S. government to impose and potentially expand tariffs on Chinese-origin goods, particularly in the electronics and semiconductor sectors, have increased our production and procurement costs. These tariffs, combined with potential retaliatory measures by Chinese authorities, could further increase the cost of our products and components or limit our ability to source critical materials and parts. Additionally, ongoing geopolitical tensions and potential expansion of export controls or restrictions on technology transfers could further complicate our supply chain operations and impact our ability to maintain competitive pricing.

With respect to our Mexican manufacturing operations and sourcing activities, changes in trade policies, including potential modifications to or withdrawal from existing trade agreements, could result in increased tariffs and other trade barriers. Such changes could necessitate significant modifications to our regional manufacturing strategy and supply chain organization, potentially resulting in supply chain disruptions and inventory management challenges leading to higher input costs, increased manufacturing costs and a potential loss of customers.

Our efforts to mitigate these risks through supply chain diversification, pricing adjustments, and operational restructuring may not be successful and could result in:

- Reduced profit margins if we are unable to pass increased costs to customers
- Loss of market share to competitors with different supply chain structures
- Increased operating costs from maintaining redundant supply sources
- Additional capital expenditures to relocate or duplicate manufacturing capabilities
- Potential quality control challenges from new or alternate suppliers
- Increased complexity in regulatory compliance and trade documentation

The continuation or escalation of trade tensions, particularly with the PRC and Mexico, could result in material adverse effects on our business that may not be fully mitigated by our ongoing adaptation efforts. Additionally, the uncertainty surrounding future trade policies and potential regulatory changes complicates our long-term planning and investment decisions, potentially affecting our competitive position in the global electronics market.

***Our backlog figures may not be reliable indicators.***

Many of the orders that comprise our backlog may be delayed, accelerated or canceled by customers without penalty. Customers may on occasion double order from multiple sources to ensure timely delivery when lead times are particularly long. Customers often cancel orders when business is weak and inventories are excessive. Additional factors that could cause the Company to fail to ship orders comprising our backlog include unanticipated supply difficulties, changes in customer demand and new customer designs. Due to the foregoing factors, we cannot be certain that the amount of our backlog equals or exceeds the level of orders that will ultimately be delivered, and backlog may not be a reliable indicator of the timing of future sales. Our results of operations could be adversely impacted if customers cancel a material portion of orders in our backlog.

***We may not be able to generate sufficient cash to service all of our indebtedness and may be forced to take other actions to satisfy our obligations under our indebtedness, which may not be successful.***

Our ability to make scheduled payments on or refinance our debt obligations depends on our financial condition and operating performance, which are subject to prevailing economic and competitive conditions and to certain financial, business, legislative, regulatory and other factors beyond our control. We may be unable to maintain a level of cash flows from operating activities sufficient to permit us to pay the principal, premium, if any, and interest on our indebtedness.

If our cash flows and capital resources are insufficient to fund our debt service obligations, we could face substantial liquidity problems and could be forced to reduce or delay acquisitions, investments and capital expenditures or to dispose of material assets or operations, seek additional debt or equity capital or restructure or refinance our indebtedness. We may not be able to effect any such alternative measures on commercially reasonable terms or at all and, even if successful, those alternative actions may not allow us to meet our scheduled debt service obligations. Our credit agreement restricts our ability to dispose of assets and use the proceeds from those dispositions and may also restrict our ability to raise debt or equity capital to be used to repay other indebtedness when it becomes due. We may not be able to consummate those dispositions or to obtain proceeds in an amount sufficient to meet any debt service obligations then due.

Our inability to generate sufficient cash flows to satisfy our debt obligations, or to refinance our indebtedness on commercially reasonable terms or at all, would materially and adversely affect our consolidated financial position and consolidated results of operations. If we cannot make scheduled payments on our debt, we will be in default, the lenders under the credit agreement could terminate their commitments to loan money, the lenders could foreclose against the assets securing their borrowings and we could be forced into bankruptcy or liquidation.

***Our level of indebtedness could negatively impact our access to the capital markets and our ability to satisfy financial covenants under our existing credit agreement.***

We have incurred substantial amounts of indebtedness to fund the acquisition of Enercon in 2024, and we may need to incur additional indebtedness to finance operations or for other general corporate purposes. Our consolidated principal amount of outstanding indebtedness was \$287.5 million at December 31, 2024, resulting in a Leverage Ratio of 2.1x Consolidated EBITDA, each as defined and calculated in accordance with our credit agreement. Accordingly, our U.S. debt service requirements are significant in relation to our U.S. revenue and cash flow. This leverage exposes us to risk in the event of downturns in our business, in our industry or in the economy generally, and may impair our operating flexibility and our ability to compete effectively. Our current credit agreement requires us to maintain certain covenant ratios. For example, the applicable credit agreement covenant pertaining to the Leverage Ratio referenced above provides, subject to certain exceptions, that our Leverage Ratio must not exceed 3.50 to 1.00. Additionally, the interest rate that we pay under our credit agreement increases as our Leverage Ratio increases. If we do not continue to satisfy the required ratios including the Leverage Ratio or receive waivers from our lenders, we will be in default under the credit agreement, which could result in an accelerated maturity of our debt obligations. We cannot assure investors that we will be able to access private or public debt or equity on satisfactory terms, or at all. Any equity financing that could be arranged may dilute existing shareholders and any debt financing that could be arranged may result in the imposition of more stringent financial and operating covenants.

## LEGAL, TAX AND REGULATORY RISKS

***We may be sued by third parties for alleged infringement of their proprietary rights and we may incur defense costs and possibly royalty obligations or lose the right to use technology important to our business.***

From time to time, we receive claims by third parties asserting that our products violate their intellectual property rights. Any intellectual property claims, with or without merit, could be time consuming and expensive to litigate or settle and could divert management attention from administering our business. A third party asserting infringement claims against us or our customers with respect to our current or future products may materially and adversely affect us by, for example, causing us to enter into costly royalty arrangements or forcing us to incur settlement or litigation costs.

***We are subject to taxation in multiple jurisdictions. As a result, any adverse development in the tax laws of any of these jurisdictions or any disagreement with our tax positions could have a material adverse effect on our business, consolidated financial condition or consolidated results of operations.***

We are subject to taxation in, and to the tax laws and regulations of, multiple jurisdictions as a result of the international scope of our operations and our corporate and financing structure. We are also subject to transfer pricing laws with respect to our intercompany transactions, including those relating to the flow of funds among our companies. Adverse developments in fiscal or tax laws, regulations or policies, or any change in position regarding the application, administration or interpretation thereof, in any applicable jurisdiction, could have a material adverse effect on our business, consolidated financial condition or consolidated results of our operations. In addition, the tax authorities in any applicable jurisdiction, including the United States, may disagree with the positions we have taken or intend to take regarding the tax treatment or characterization of any of our transactions. If any applicable tax authorities, including U.S. tax authorities, were to successfully challenge the tax treatment or characterization of any of our transactions, it could have a material adverse effect on our business, consolidated financial condition or consolidated results of our operations.

***Our results of operations may be materially and adversely impacted by environmental and other regulations.***

Our manufacturing operations, products and/or product packaging are subject to environmental laws and regulations governing air emissions; wastewater discharges; the handling, disposal and remediation of hazardous substances, wastes and certain chemicals used or generated in our manufacturing processes; employee health and safety labeling or other notifications with respect to the content or other aspects of our processes, products or packaging; restrictions on the use of certain materials in or on design aspects of our products or product packaging; and, responsibility for disposal of products or product packaging. Discussions and proposals related to gas emissions and climate change have increasingly become the subject of substantial attention; additional regulation in this area could have the effect of restricting our business operations or increasing our operating costs. More stringent environmental regulations may be enacted in the future, and we cannot presently determine the modifications, if any, in our operations that any such future regulations might require, or the cost of compliance with these regulations.

***We are subject to, and may continue to be subject to, incremental costs, risks, and regulations associated with global environmental and sustainability initiatives. Evolving expectations relating to environmental, social and governance considerations expose us to potential liabilities, increased costs, reputational harm and other adverse effects on our business.***

There is heightened public and regulatory scrutiny regarding environmental sustainability and climate impact. This increased focus has resulted in numerous international frameworks, regulatory requirements, and industry standards. In addition to general environmental risks whereby we may be adversely affected by severe weather patterns and environmental events, we face evolving compliance obligations related to sustainability reporting, carbon footprint reduction, and environmental impact mitigation. Moreover, our key customers and partners are implementing increasingly stringent environmental performance criteria within their value chains. Any actual or perceived deficiency in meeting these standards could materially impact our market position, customer relationships, and overall business performance.

Given our extensive operational presence across multiple jurisdictions, emerging environmental regulations beyond our current compliance programs could impose significant additional burdens. These may include enhanced monitoring requirements, technology upgrades, operational modifications, and expanded reporting obligations. The associated costs could materially affect our operating expenses, capital allocation decisions, and competitive position.

Regulatory frameworks continue to evolve rapidly across our key markets. The European Union's enhanced environmental reporting framework introduces comprehensive sustainability disclosure requirements affecting both domestic and international operators. In the United States, recent federal initiatives have established new environmental disclosure standards for public companies, though implementation timelines remain subject to ongoing legal review. We are actively developing compliance frameworks for these requirements, which may require substantial operational adjustments and resources.

At the state level, several jurisdictions have enacted or proposed environmental accountability legislation with varying requirements and enforcement mechanisms. These regional variations create additional complexity in maintaining comprehensive compliance programs. We anticipate increased administrative burden and compliance costs as these requirements come into effect.

Beyond regulatory compliance, we face several emerging environmental and sustainability risks, including but not limited to:

- Operational Risks – requirements to lower greenhouse gas emissions and improve energy efficiency may necessitate changes in business operations, potentially leading to disruptions.
- Litigation Risks – climate-related lawsuits based on corporate disclosures and/or operational practices may arise.
- Reputational Risks – customer, investor, and stakeholder expectations regarding any climate-related commitments or goals could influence business relationships and overall market perception.

Our ability to effectively navigate these evolving environmental requirements while maintaining operational efficiency and market competitiveness may have material impacts on our financial condition, operational results, and strategic positioning.

Many governments, regulators, investors, employees, customers and other stakeholders are increasingly focused on environmental, social and governance (“ESG”) considerations relating to businesses. At the same time, there are efforts by some stakeholders and policymakers to reduce companies’ attention to certain ESG-related matters. Advocates and opponents of ESG matters are increasingly resorting to a range of activism to promote their viewpoints, which may require us to incur additional costs or otherwise adversely impact our business. Some stakeholders may disagree with our goals and initiatives and the focus of stakeholders may change and evolve over time. Stakeholders also may have very different views on where ESG focus should be placed, including differing views of regulators in various jurisdictions in which we operate. Any failure, or perceived failure, by us to achieve any goals that we may set, further our initiatives, adhere to our public statements, comply with federal, state or international ESG laws and regulations, or meet evolving and varied stakeholder expectations and standards could result in legal and regulatory proceedings against us and materially adversely affect our business, reputation, results of operations, financial condition and stock price.

***Expanding and evolving data privacy laws and regulations could impact our business and expose us to increased liability.***

Our global business is subject to complex and changing laws and regulations including but not limited to privacy, data security and data localization. Evolving foreign events may adversely affect our revenues and could subject us to new regulatory costs and challenges (such as the transfer of personal data between the EU and the United Kingdom), in addition to other adverse effects that we are unable to effectively anticipate. This may impose significant requirements on how we collect, process and transfer personal data, as well as significant financial penalties for non-compliance. Any inability to adequately address privacy concerns, even if unfounded, or to comply with the more complex privacy or data protection laws, regulations and privacy standards, could lead to significant financial penalties, which may result in a material and adverse effect on our consolidated results of operations.

## **RISKS RELATED TO OUR COMMON STOCK**

***As a result of protective provisions in the Company's Restated Certificate of Incorporation, as amended, the voting power of holders of Class A common shares whose voting rights are not suspended (including officers, directors and principal shareholders) may be increased at future meetings of the Company's shareholders.***

The Company's Restated Certificate of Incorporation, as amended, provides that if a shareholder, other than shareholders subject to specific exceptions, acquires (after the date of the Company's 1998 recapitalization) 10% or more of the outstanding Class A common stock and does not own an equal or greater percentage of all then outstanding shares of both Class A and Class B common stock (all of which common stock must have been acquired after the date of the 1998 recapitalization), such shareholder must, within 90 days of the trigger date, purchase Class B common shares, in an amount and at a price determined in accordance with a formula described in the Company's Restated Certificate of Incorporation, as amended, or forfeit its right to vote its Class A common shares. To the extent that the voting rights of particular holders of Class A common stock are suspended as of times when the Company's shareholders vote due to the above-mentioned provisions, such suspension would have the effect of increasing the voting power of those holders of Class A common shares whose voting rights are not suspended.

*Our stock price, like that of many companies, has been and may continue to be volatile.*

The market price of our common stock may fluctuate as a result of variations in our quarterly operating results and other factors beyond our control. These fluctuations may be exaggerated if the trading volume of our common stock is low. The market price of our common stock may rise and fall in response to a variety of other factors, including:

- announcements of technological or competitive developments;
- general market or economic conditions;
- market or economic conditions specific to particular geographical areas in which we operate;
- acquisitions or strategic alliances by us or our competitors;
- our ability to achieve our anticipated cost savings from announced restructuring programs;
- the gain or loss of a significant customer or order;
- changes in the amount or frequency of our payments of dividends or repurchases of our common stock; or
- changes in estimates of our financial performance or changes in recommendations by securities analysts regarding us or our industry.

In addition, equity securities of many companies have experienced significant price and volume fluctuations even in periods when the capital markets generally are not distressed. These price and volume fluctuations often have been unrelated to the operating performance of the affected companies.

## **GENERAL RISKS**

*The global nature of our operations exposes us to numerous risks that could materially adversely affect our consolidated financial condition and consolidated results of operations.*

We manufacture in 8 countries, and our products are distributed in those countries as well as in other parts of the world. A large portion of our manufacturing operations are located outside of the United States and a large portion of our sales are generated outside of the United States. Operations outside of the United States, particularly operations in developing regions, are subject to various risks that may not be present or as significant for our U.S. operations. Economic uncertainty in some of the geographic regions in which we operate, including developing regions, could result in the disruption of commerce and negatively impact cash flows from our operations in those areas.

Risks inherent in our international operations include:

- Import and export regulations that could erode profit margins or restrict exports;
- Foreign exchange controls and tax rates;
- Foreign currency exchange rate fluctuations, including devaluations;
- Changes in regional and local economic conditions, including local inflationary pressures;
- Difficulty of enforcing agreements and collecting receivables through certain foreign legal systems;
- Variations in protection of intellectual property and other legal rights;
- More expansive legal rights of foreign unions or works councils;
- Changes in labor conditions and difficulties in staffing and managing international operations;
- Inability or regulatory limitations on our ability to move goods across borders;
- Changes in laws and regulations, including the laws and policies of the United States affecting trade, tariffs and foreign investment;
- Restrictive governmental actions such as those on transfer or repatriation of funds and trade protection matters, including antidumping duties, tariffs, trade wars, embargoes and prohibitions or restrictions on acquisitions or joint ventures;
- Social plans that prohibit or increase the cost of certain restructuring actions;
- The potential for nationalization of enterprises or facilities;
- Unsettled political conditions and possible terrorist attacks against U.S. or other interests; and
- Intergovernmental and other conflicts or actions, including, but not limited to, armed conflict, such as the ongoing military conflicts between Ukraine and Russia, as well as between Israel and its adversaries in the Middle East.

As a multi-national company, we are faced with increased complexities due to recent changes to the U.S. corporate tax code relating to our unremitted foreign earnings, potential revisions to international tax law treaties, and renegotiated trade deals. In addition, other events, such as the ongoing discussion and negotiations concerning varying levels of tariffs on product imported from the PRC, Mexico, India and throughout Europe also create a level of uncertainty. If we are unable to anticipate and effectively manage these and other risks, it could have a material and adverse effect on our business, our consolidated results of operations and consolidated financial condition.

For additional information regarding risks associated with our operations in the PRC, see the discussion set forth above under the caption, *"We have substantial manufacturing operations located in the PRC, which exposes us to significant risks that could materially and adversely affect our business, operations, consolidated financial condition and consolidated results of operations."* For additional information regarding risks associated with our operations in Israel, see the discussion set forth above under the caption, *"We may face risks related to conducting business in Israel."*

***Cybersecurity risk and the failure to maintain the integrity of our operational or security systems or infrastructure, or those of third parties with which we do business, could have a material adverse effect on our business, consolidated financial condition and consolidated results of operations.***

Cybersecurity threats, including but not limited to malware, phishing, credential harvesting, ransomware and other attacks, are rapidly evolving and are becoming increasingly sophisticated, making it difficult to detect and prevent such threats from impacting the Company. Our Company has seen an increased volume of cybersecurity threats and ransomware attempts in 2024 and expects to continue to experience cybersecurity threats from time to time, which pose a risk to the security of our systems and networks and the confidentiality, availability and integrity of our data. Artificial intelligence ("AI") increases cybersecurity risks due to attacks crafted using AI including more effective phishing, false voice or image attacks. There are additional risks associated with utilization of technologies or applications the functionality of which relies upon externalizing data into public AI platforms, including the potential for unauthorized access or manipulation of sensitive information. Disruptions or failures in the physical infrastructure or operating systems that support our businesses and customers, or cybersecurity attacks or security breaches of our networks, systems or applications, could result in the loss of customers and business opportunities, legal liability, regulatory fines, penalties or intervention, other litigation, regulatory and legal risks and the costs associated therewith, reputational damage, reimbursement or other compensatory costs, remediation costs, increased cybersecurity protection costs, additional compliance costs, increased insurance premiums, and lost revenues, damage to the Company's competitiveness, stock price, and long-term shareholder value, any of which could materially adversely affect our business, financial condition and results of operations. While we attempt to mitigate these risks, our systems, networks, products, solutions and services remain potentially vulnerable to advanced and persistent threats. We also maintain and have access to sensitive, confidential or personal data or information in certain of our businesses that is subject to privacy and security laws and regulations. Despite our efforts to protect such sensitive, confidential or personal data or information, our facilities and systems and those of our customers and third-party service providers may be vulnerable to security breaches, theft, fraud, misplaced or lost data, "Acts of God", programming and/or human errors that could lead to the compromising of sensitive, confidential or personal data or information, improper use of our systems, software solutions or networks, unauthorized access, use, disclosure, modification or destruction of information, defective products, production downtimes and operational disruptions, which in turn could adversely affect our consolidated financial condition and consolidated results of operations.

***A loss of the services of the Company's executive officers or other skilled associates could negatively impact our operations and results.***

The success of the Company's operations is largely dependent upon the performance of its executive officers, managers, engineers and salespeople. Many of these individuals have a significant number of years of experience within the Company and/or the industry in which we compete and would be extremely difficult to replace. The loss of the services of any of these associates may materially and adversely impact our results of operations if we are unable to replace them in a timely manner.

#### **Item 1B. *Unresolved Staff Comments***

None.

#### **Item 1C. *Cybersecurity***

Bel employs a full-time Cybersecurity Expert who reports directly into our Global Head of IT and Cybersecurity Services. During 2024, the Company worked with third-party cybersecurity specialists to continually enhance the programs Bel has in place. These relationships involve regular communication and collaboration between the Bel cybersecurity team and our third-party providers to share threat intelligence and implement proactive measures to safeguard our systems and data. The Company has continued to invest in IT security, including additional end-user training, using layered defenses, identifying, and protecting critical assets, strengthening monitoring and alerting, and engaging experts. Our cybersecurity team regularly monitors alerts and meets to discuss threat levels, trends, and remediation. Further, we conduct periodic external penetration tests. In addition to assessing our own cybersecurity preparedness, we also consider and evaluate cybersecurity risks associated with the use of third-party service providers that host our applications. The internal business owners of the hosted applications are required to document user access reviews at least annually and provide from the vendor a System and Organization Controls (SOC) 1 or SOC 2 report. Third-party contractors or vendors that require access to our network are given specific limited access to only the specific resource. The access provided expires automatically after a period determined by the project and must follow all Company security measures.

The Audit Committee of the Board of Directors is responsible for overseeing the management of cybersecurity risks. The Audit Committee is informed about cybersecurity risks through quarterly reports from the Global Head of IT and Cybersecurity Services and, as necessary, to the full Board. The Audit Committee also reviews and approves the company's cybersecurity policies and the Company's Global Head of IT and Cybersecurity Services is responsible for developing and implementing our information security program and reporting on cybersecurity matters to the Board. This includes our overall information security strategy, policy, security engineering, operations and cyber incident detection and response reporting in alignment with Company policies. The current Global Head of IT and Cybersecurity Services has more than 16 years of information technology and program management experience which includes information security, and others on our IT security team have extensive cybersecurity experience and certifications.

## Item 2. Properties

The Company is headquartered in West Orange, New Jersey. The Company occupies 304,000 square feet of non-manufacturing space, which is used primarily for management, financial accounting, engineering, sales and administrative support. Of this space, the Company leases 197,000 square feet and owns properties of 107,000 square feet.

The Company also operated manufacturing facilities in 8 countries as of December 31, 2024, as detailed below. Approximately 14% of the 2.3 million square feet the Company occupies is owned while the remainder is leased. See Note 19, "Commitments and Contingencies", for additional information pertaining to leases.

The following is a list of the locations of the Company's principal manufacturing facilities at December 31, 2024:

Location	Approximate Square Feet	Product Group Produced at Facility	Owned/Leased	Percentage Used for Manufacturing
Dongguan, PRC	661,000	Magnetic Solutions	Leased	36%
Pingguo, PRC	27,000	Magnetic Solutions	Leased	39%
Shenzhen, PRC	227,000	Power Solutions & Protection	Leased	100%
Zhongshan, PRC	153,000	All three product groups	Leased	39%
Zhongshan, PRC	118,000	All three product groups	Owned	100%
Zhongshan, PRC	78,000	All three product groups	Owned	100%
Guangxi, PRC	243,000	Magnetic Solutions	Leased	54%
Mumbai, India	53,000	Power Solutions & Protection	Leased	66%
Dubnica nad Vahom, Slovakia	35,000	Power Solutions & Protection	Owned	100%
Dubnica nad Vahom, Slovakia	70,000	Power Solutions & Protection	Leased	100%
Worksop, United Kingdom	51,000	Connectivity Solutions	Leased	83%
Chelmsford, United Kingdom	17,000	Connectivity Solutions	Leased	80%
Dominican Republic	33,000	Magnetic Solutions	Leased	85%
Cananea, Mexico	30,000	Connectivity Solutions	Leased	60%
Reynosa, Mexico	88,000	Connectivity Solutions	Leased	56%
Glen Rock, Pennsylvania	74,000	Connectivity Solutions	Owned	60%
Waseca, Minnesota	128,000	Connectivity Solutions	Leased	83%
McAllen, Texas	40,000	Connectivity Solutions	Leased	56%
Melbourne, Florida	13,000	Connectivity Solutions	Leased	64%
Belmont, New Hampshire	16,000	Power Solutions & Protection	Leased	90%
Haryana, India	36,000	Power Solutions & Protection	Leased	90%
Netanya, Israel	60,000	Power Solutions & Protection	Leased	70%
	2,251,000			

Of the space described above, 428,000 square feet is used for engineering, warehousing, sales and administrative support functions at various locations and 406,000 square feet is designated for dormitories, canteen and other employee related facilities in the PRC.

The Territory of Hong Kong became a Special Administrative Region ("SAR") of the PRC during 1997. The territory of Macao became a SAR of the PRC at the end of 1999. Management cannot presently predict what future impact the current status of these territories, along with evolving political landscape in the region, will have on the Company, if any, or how the political climate in the PRC will affect the Company's contractual arrangements in the PRC (including risks arising out of any changes in governmental and economic policy, such as increased or new tariffs, and current or additional trade restrictions, and the potential for adverse developments arising out of any political or economic instability related to Hong Kong or Taiwan). A significant portion of the Company's manufacturing operations and approximately 30.8% of its identifiable assets are located in Asia.

**Item 3. *Legal Proceedings***

The information called for by this Item is incorporated herein by reference to the caption "*Legal Proceedings*" in Note 19, "*Commitments and Contingencies.*"

**Item 4. *Mine Safety Disclosures***

Not applicable.

## PART II

### **Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities**

#### **Market Information**

The Company's voting Class A Common Stock, par value \$0.10 per share, and non-voting Class B Common Stock, par value \$0.10 per share ("Class A" and "Class B," respectively), are traded on the NASDAQ Global Select Market under the symbols BELFA and BELFB, respectively.

#### **Holders**

As of January 31, 2025, there were 29 registered shareholders of the Company's Class A Common Stock and 217 registered shareholders of the Company's Class B Common Stock. We believe that the number of beneficial owners is substantially greater than the number of record holders because a large portion of our Class A and Class B Common Stock is held in "street name" by brokers.

#### **Dividends**

During the years ended December 31, 2024, 2023 and 2022, the Company declared dividends on a quarterly basis at a rate of \$0.06 per Class A share of common stock and \$0.07 per Class B share of common stock totaling \$3.5 million in 2024, \$3.5 million in 2023 and \$3.4 million in 2022. On February 1, 2025, the Company paid a dividend to all shareholders of record at January 15, 2025 of Class A and Class B Common Stock in the total amount of \$0.1 million (\$0.06 per share) and \$0.7 million (\$0.07 per share), respectively. On February 12, 2025, Bel's Board of Directors declared a dividend in the amount of \$0.06 per Class A common share and \$0.07 per Class B common share which is scheduled to be paid on May 1, 2025 to all shareholders of record at April 15, 2025.

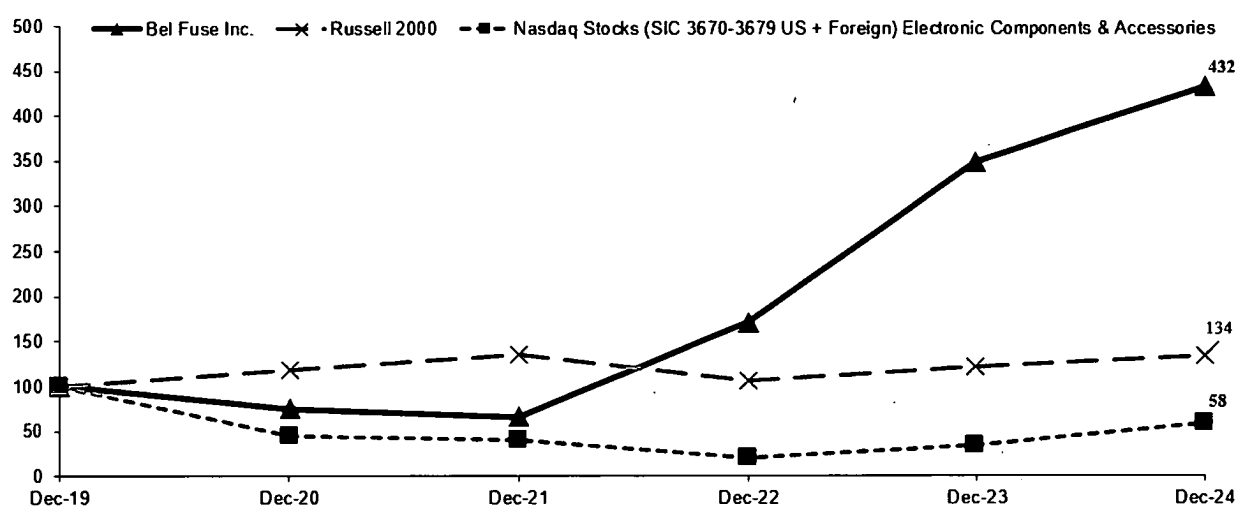
There are no contractual restrictions on the Company's ability to pay dividends provided the Company is not in default under its credit agreement immediately before such payment and after giving effect to such payment. Cash dividends are payable to the holders of Class A Common Stock and Class B Common Stock only as and when declared by the Board of Directors. Subject to the foregoing, cash dividends declared on shares of Class B Common Stock in any calendar year cannot be less than 5% higher per share than the annual amount of cash dividends per share declared in such calendar year on shares of Class A Common Stock. No cash dividends may be paid on shares of Class A Common Stock unless, at the same time, cash dividends are paid on shares of Class B Common Stock, subject to the annual 5% provision described above. Cash dividends may be paid at any time or from time to time on shares of Class B Common Stock without corresponding cash dividends being paid on shares of Class A Common Stock. Nevertheless, as in the past, the respective amounts of future dividends, if any, to be declared on each class of Common Stock depends on circumstances existing at the time, including the Company's financial condition, capital requirements, earnings, legally available funds for the payment of dividends and other relevant factors and are declared at the discretion of the Company's Board of Directors.

## Stock Performance Graph

The following shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or incorporated by reference into any of our other filings under the Securities Exchange Act of 1934, as amended, or the Securities Act.

The following graph shows, for the five years ended December 31, 2024, the cumulative total return on an investment of \$100 assumed to have been made on December 31, 2019 in Bel Fuse Inc. Class B common stock. The graph compares this return (“Bel”) with that of comparable investments assumed to have been made on the same date in: (a) Russell 2000 Index and (b) a group of companies in our industry, consisting of Nasdaq listed stocks (U.S. and foreign) with SIC codes 3670-3679, Electronic Components & Accessories. Total return for each assumed investment assumes the reinvestment of all dividends on December 31 of the year in which the dividends were paid.

**Comparison of 5 Year Cumulative Total Return**  
**Assumes Initial Investment of \$100**  
**December 2024**



	2019	2020	2021	2022	2023	2024
Bel Fuse Inc.	\$ 100.00	\$ 75.20	\$ 65.93	\$ 170.57	\$ 348.28	\$ 431.96
Russell 2000 Index	100.00	118.36	134.57	105.56	121.49	133.67
Nasdaq Stocks (SIC 3670-3679 US + Foreign) Electronic Components & Accessories	100.00	45.14	39.83	19.50	34.70	58.16

## Issuer Purchases of Equity Securities

On February 21, 2024, the Company’s Board of Directors authorized and the Company publicly announced a \$25.0 million share repurchase program (the “Repurchase Program”). The Repurchase Program authorizes the repurchase of up to \$25.0 million of shares of outstanding Class A Common Stock and Class B Common Stock. The aggregate \$25.0 million available for repurchases under the Repurchase Program has been sub-allocated for purchases of Class A shares and Class B shares in portions of \$4.0 million and \$21.0 million, respectively, prorated to take into account the number of outstanding shares of each respective class. Shares of Common Stock may be repurchased pursuant to the Repurchase Program in open market, privately negotiated or block transactions or otherwise from time to time, depending upon market conditions and other factors, and in accordance with applicable law and regulations. The Repurchase Program has no expiration date. The Repurchase Program does not obligate the Company to repurchase any dollar amount or number of shares, and the Repurchase Program may be suspended or terminated at any time. As of December 31, 2024, the program-to-date repurchases amounted to 26,326 Class A shares at an aggregate purchase price of \$1.9 million and 235,821 Class B shares at an aggregate purchase price of \$14.1 million. There were no repurchases of our equity securities during the three months ended December 31, 2024. Approximately \$2.1 million of Class A shares and \$6.9 million of Class B shares are yet to be purchased under this plan.

## Item 6. [Reserved]

## **Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations**

The information in this Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") should be read in conjunction with the Company's consolidated financial statements and the notes related thereto. The discussion of results, causes and trends should not be construed to imply any conclusion that such results, causes or trends will necessarily continue in the future. See "Cautionary Notice Regarding Forward-Looking Information" above for further information. Also, when we cross reference to a "Note," we are referring to our "Notes to Consolidated Financial Statements," unless the context indicates otherwise. All amounts and percentages are approximate due to rounding.

### **Overview**

#### ***Our Company***

We design, manufacture and market a broad array of products that power, protect and connect electronic circuits. These products are primarily used in the defense, commercial aerospace, networking, telecommunications, computing, general industrial, high-speed data transmission, transportation and eMobility industries. Bel's portfolio of products also finds application in the automotive, medical, broadcasting and consumer electronics markets.

We operate through three product group segments. In 2024, 46% of the Company's revenues were derived from Power Solutions and Protection, 41% from Connectivity Solutions and 13% from our Magnetic Solutions operating segment.

Our operating expenses are driven principally by the cost of labor where the factories that Bel uses are located, the cost of the materials that we use and our ability to effectively and efficiently manage overhead costs. As labor and material costs vary by product line and region, any significant shift in product mix can have an associated impact on our costs of sales. Costs are recorded as incurred for all products manufactured. Such amounts are determined based upon the estimated stage of production and include labor cost and fringes and related allocations of factory overhead. Our products are manufactured at various facilities in the U.S., Mexico, Israel, India, the Dominican Republic, the United Kingdom, Slovakia and the PRC.

We have little visibility into the ordering habits of our customers and we can be subjected to large and unpredictable variations in demand for our products. Accordingly, we must continually recruit and train new workers to replace those lost to attrition and be able to address peaks in demand that may occur from time to time. These recruiting and training efforts and related inefficiencies, and overtime required in order to meet any increase in demand, can add volatility to the labor costs incurred by us.

#### ***Key Factors Affecting our Business***

The Company believes the key factors affecting Bel's 2024 and/or future results include the following:

- **Revenues** – The Company's revenues decreased by \$105.0 million, or 16.4%, in 2024 as compared to 2023. By product segment, Power Solutions and Protection sales decreased by 21.8%, Connectivity Solutions sales increased by 4.7% and Magnetic Solutions sales decreased by 40.2%.
- **Backlog** – Our backlog of orders totaled \$381.6 million at December 31, 2024, representing a decrease of \$8.5 million, or 2%, from December 31, 2023. From 2023 to the 2024 year-end, the backlog for our Power Solutions and Protection (excluding Enercon) products decreased by 44%, due to a reduction in demand within the networking end market and in the distribution channel. Enercon backlog at December 31, 2024 was \$119 million. Our Magnetic Solutions backlog decreased by 13%, primarily due to reduced order volume from a large networking customer. The backlog for our Connectivity Solutions products decreased by \$8.2 million (7%) in 2024 from the 2023 level, due to reduced demand from customers in the networking and industrial end markets partially offset by an increase in demand from our military customers.
- **Product Mix** – Material and labor costs vary by product line and any significant shift in product mix between higher- and lower-margin product lines will have a corresponding impact on the Company's gross margin percentage. In general, our Connectivity products have historically had the highest contribution margins due to the harsh environment, high-reliability end applications for these products. Our Power products have a higher cost bill of materials and are impacted to a greater extent by changes in material costs. As our Magnetic Solutions products are more labor intensive, margins on these products are impacted to a greater extent by minimum- and market-based wage increases in the PRC and fluctuations in foreign exchange rates between the U.S. dollar and the Chinese renminbi. Fluctuations in sales volume among our product groups will have a corresponding impact on Bel's profit margins. See Note 14, "Segments" for profit margin information by product group.

- Pricing and Availability of Materials – There has been some stabilization of raw materials pricing in 2024; however overall, our cost of materials remains elevated. Supply constraints have eased related to components that constitute raw materials in our manufacturing processes, particularly with capacitors, resistors and Integrated circuits ("IC's"). Sharp increases in metal commodity prices, particularly copper and gold over the years continues to impact cost structures and supplier pricing. Lead times are still above normal though suppliers are now meeting the agreed delivery deadlines with more regularity. Additionally, our access to parts or materials, and our ability to contract with suppliers utilized previously, may be limited or prohibited from time to time by trade restrictions or other legal or regulatory enactments. We anticipate continued downward pressure on our Power sales given trade restrictions on one of our former suppliers previously utilized for this segment, which had historically supported approximately \$3 to \$4 million per quarter of our sales into the consumer end market. We are currently evaluating alternative manufacturing options for the components previously supplied by this manufacturer. To the extent our suppliers in the PRC are negatively impacted by new or amended regulations, any such negative implications could adversely impact our supply chain, including in the form of increased costs, disruptions, shortages or unavailability of product or component parts, and/or other deleterious consequences, which could materially adversely affect our business and operating results. Further, governments may impose tariffs to raise domestic revenue, protect domestic industries or exert political leverage over another country. We are a global organization with a material volume of shipments of raw materials, work in progress and finished goods into and out of the U.S. to and from a number of other countries, including but not limited to the PRC, Mexico, India and throughout Europe. Any new or increase in tariffs imposed either by the U.S. government on foreign imports or by a foreign government on U.S. exports related to the countries in which we transact business could lead to reduced margins or increased prices that could cause decreased customer demand. The preceding discussion about pricing and availability of materials contains Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"
- Labor Costs – Labor costs as a percentage of sales fluctuate based upon our product mix, with our Magnetic Solutions segment sales comprised largely of labor-intensive ICM products. Further, our labor costs in the PRC, Mexico and Israel are largely paid in local currencies and any significant fluctuations in these exchange rates versus the U.S. dollar will have an impact on our labor costs. By segment, our Magnetic Solutions segment is most impacted by fluctuations in the exchange rates of the Chinese renminbi versus the U.S. dollar; our Connectivity Solutions segment is most impacted by fluctuations in the exchange rate of the Mexican peso versus the U.S. dollar; and our Power Solutions and Protection segment is most impacted by fluctuations in the exchange rates of the Chinese renminbi and the Israeli shekel versus the U.S. dollar. In addition to foreign exchange rate exposure, our labor costs are also subject to government-regulated minimum wage increases in the countries in which we operate. On January 1, 2025, minimum wage increases went into effect at our factory in PRC and are expected to result in approximately \$0.4 million of higher labor costs at that facility in 2025 as compared to 2024. The preceding discussion about labor costs, including our estimates of expected costs associated with increases, contains Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"
- Inflationary Pressures – Inflationary pressures could result in higher input costs, including those related to our raw materials, labor, freight, utilities, healthcare and other expenses. Our future operating results will depend, in part, on our continued ability to manage these fluctuations through pricing actions, cost savings initiatives and sourcing decisions. The preceding two sentences represent Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"
- Restructuring – In late 2023, we initiated a restructuring initiative within our Connectivity segment related to the transition of certain manufacturing from our Glen Rock, Pennsylvania facility to other existing Bel sites (the "Glen Rock initiative"). During the third quarter of 2024, we initiated a restructuring initiative within our Power segment related to the transition of our fuse manufacturing to other existing sites (the "Fuse initiative"). In addition to the Fuse initiative and the Glen Rock initiative, the Company also implemented headcount reductions within our Magnetics segment in response to the lower sales volume in recent quarters within that segment. In connection with these initiatives, the Company incurred \$3.5 million of restructuring costs during the year ended December 31, 2024 which primarily consisted of severance costs. The Glen Rock initiative was largely complete by the end of 2024 at a total cost to implement of \$0.8 million (almost all of which was incurred during the year ended December 31, 2024). Annual cost savings related to the Glen Rock initiative are estimated at \$3.1 million (of this annualized amount, \$1.5 million was realized throughout 2024, with the incremental \$1.6 million to be realized in 2025). The Fuse initiative is expected to be complete by the end of the first quarter of 2025 at a total cost to implement of \$4.2 million (of which \$2.0 million was incurred in the year ended December 31, 2024, with the balance to be incurred in early 2025). Annual cost savings related to the Fuse initiative are estimated at \$1.8 million and are expected to be realized beginning in the second quarter of 2025. The Company will continue to review its operations to optimize the business, which may result in restructuring costs being recognized in future periods. The preceding statements about restructuring initiatives, including our projections and estimates, represent Forward-Looking Statements. See "*Cautionary Notice Regarding Forward-Looking Information.*"

- Impact of Foreign Currency** – As further described below in this "Impact of Foreign Currency" discussion, during 2024, labor and overhead costs were \$0.4 million lower than in 2023 due to favorable foreign exchange environment involving the Chinese renminbi and the Mexican peso, partially offset by unfavorable foreign exchange fluctuations due to the Israeli shekel as compared to the prior year period. Also as described below in the discussion captioned "Inflation and Foreign Currency Exchange", the Company realized foreign exchange transactional losses of \$1.9 million during 2024, due to the fluctuation of the spot rates of certain currencies in effect when translating our balance sheet accounts at December 31, 2024 versus those in effect at December 31, 2023. Since Bel is a U.S. domiciled company, our foreign currency-denominated financial results are translated into U.S. dollars. Due to the changes in the value of foreign currencies relative to the U.S. dollar, translating our financial results and the revaluation of certain intercompany as well as third-party transactions to and from foreign currencies to U.S. dollars may result in a favorable or unfavorable impact to our consolidated statements of operations and cash flows. We were favorably impacted by transactional foreign exchange gains in 2024 due to the depreciation of the Chinese renminbi and Mexican peso against the U.S. dollar, which was largely offset by an appreciation of the Israeli shekel against the U.S. dollar, as compared to exchange rates in effect during 2023. We have significant manufacturing operations located in the PRC, Mexico and Israel where labor and overhead costs are paid in local currency. As a result, the U.S. dollar equivalent costs of these operations were approximately \$0.7 million lower in the PRC, and \$0.5 million lower in Mexico, largely offset by higher costs in Israel of approximately \$0.8 million, in 2024 as compared to 2023. The Company monitors changes in foreign currencies and has historically implemented additional foreign currency forward contracts, and may continue to implement pricing actions to help mitigate the impact that changes in foreign currencies may have on its consolidated operating results. The preceding sentence represents a Forward-Looking Statement. See "Cautionary Notice Regarding Forward-Looking Information."
- Effective Tax Rate** – The Company's effective tax rate will fluctuate based on the geographic region in which the pretax profits are earned. Of the jurisdictions in which the Company operates, the U.S. and Europe's tax rates are generally equivalent; and Asia has the lowest tax rates of the Company's three geographic regions. See Note 10 to the Company's Consolidated Financial Statements - "Income Taxes".

#### **Results of Operations - Summary by Operating Segment**

##### **Net Sales and Gross Margin**

The Company's net sales and gross margin by major product line for the years ended December 31, 2024, 2023 and 2022 were as follows (dollars in thousands):

	Years Ended					
	December 31,					
	Net Sales			Gross Margin		
	2024	2023	2022	2024	2023	2022
Power solutions and protection	\$ 245,551	\$ 314,105	\$ 288,366	42.4%	38.1%	30.5%
Connectivity solutions	220,370	210,572	187,085	37.1%	34.2%	25.9%
Magnetic solutions	68,871	115,136	178,782	25.3%	22.0%	27.6%
	<u>\$ 534,792</u>	<u>\$ 639,813</u>	<u>\$ 654,233</u>	<u>37.8%</u>	<u>33.7%</u>	<u>28.0%</u>

##### **2024 as Compared to 2023**

###### *Power Solutions and Protection:*

Sales of our Power Solutions and Protection products were lower by \$68.6 million in 2024 as compared to 2023. This decrease was primarily due to lower sales of our front-end power products and board mount power products of \$45.3 million and \$9.5 million, respectively, both of which are used in networking and datacenter applications. Sales of our CUI products were down by \$21.2 million in 2024 as compared to 2023 due to the loss of sales in connection with a trade restriction placed on one of our suppliers in the PRC. Further, sales of product into the eMobility end market decreased by \$12.9 million as compared to 2023. These decreases were offset in part by an increase in sales of our rail products by \$11.8 million as compared to 2023. Raw material expedite fee revenue for this segment totaled \$0.1 million in 2024 as compared to \$14.9 million in 2023. Enercon contributed \$20.8 million of military, aerospace and defense applications sales in the last two months of 2024. Gross margin improved in 2024 as compared to 2023 as a result of the Enercon acquisition, favorable exchange rates with the Chinese renminbi versus the U.S. dollar, a lower volume of low-margin expedite fees and a favorable shift in product mix.

### *Connectivity Solutions:*

Sales of our Connectivity Solutions products increased by \$9.8 million (4.7%) in 2024 as compared to 2023. This increase was primarily due to an increase in sales into the commercial aerospace end market of \$3.6 million (6.8%) in 2024 as compared to 2023. Sales into our military end market also grew by \$2.3 million (5.2%) in 2024 as compared to 2023. We also experienced an increased volume of Connectivity Solutions products sold through our distribution channels in 2024 of \$2.3 million (2.9%) compared to 2023. Gross margin for 2024 was favorably impacted by pricing actions on certain contract renewals, operational efficiencies from the facility consolidations completed in 2023 and a favorable fluctuation in exchange rates between the U.S. dollar and Mexican peso in 2024 versus 2023. These factors were partially offset by higher wage rates in Mexico in 2024 as compared to 2023.

### *Magnetic Solutions:*

Sales of our Magnetic Solutions products declined by \$46.3 million during 2024 as compared to 2023. Reduced demand for our ICM products from our networking customers and through our distribution channels was the primary driver as we believe these customers continue to work through inventory on hand. Recent facility consolidations in the PRC, diligent cost management, product mix and a favorable exchange rate with the Chinese renminbi versus the U.S. dollar, were the primary drivers of gross margin expansion for this product group in 2024 as compared with 2023, despite the decline in revenue.

### 2023 as Compared to 2022

#### *Power Solutions and Protection:*

Sales of our Power Solutions and Protection products were higher by \$25.7 million in 2023 as compared to 2022. This increase was primarily due to higher sales of our front-end power products and board mount power products of \$42.7 million and \$6.9 million, respectively, both of which are used in networking and datacenter applications. Further, sales of product into the eMobility end market increased by more than \$7.5 million (40%) and sales of product into the rail end market increased by \$7.5 million (33%) in 2023 as compared to 2022. These increases were offset in part by a reduction in sales of our CUI products of \$13.7 million and a decline in sales of our circuit protection products of \$9.9 million, both of which were largely impacted by the lower demand from our distribution customers. Raw material expedite fee revenue for this segment totaled \$14.9 million in 2023 as compared to \$32.5 million in 2022. Gross margin improved in 2023 as compared to 2022 as pricing actions, higher sales volume, favorable exchange rates with the Chinese renminbi versus the U.S. dollar, a lower volume of low-margin expedite fees and a favorable shift in product mix offset the impact of increased material costs.

#### *Connectivity Solutions:*

Sales of our Connectivity Solutions products increased by \$23.5 million (12.6%) in 2023 as compared to 2022. These increases were primarily due to an increase in sales into the commercial aerospace end market of \$22.2 million (71%) in 2023 as compared to 2022. Sales into our military end market also grew by \$8.8 million (24%) in 2023 as compared to 2022. We also experienced an increased volume of Connectivity Solutions products sold through our distribution channels in 2023 compared to 2022. These sales increases were offset in part by a decline in sales of passive connector and cabling products used in the industrial premise wiring and 5G/IoT markets of \$11.0 million (29.0%) for 2023 as compared to 2022. Gross margins for the 2023 periods presented above were favorably impacted by the higher overall sales volume, pricing actions and operational efficiencies implemented during 2023, partially offset by higher wage rates in Mexico and an unfavorable fluctuation in exchange rates between the U.S. dollar and Mexican peso in 2023 as compared to 2022.

#### *Magnetic Solutions:*

Sales of our Magnetic Solutions products declined by \$63.6 million during 2023 as compared to 2022. Reduced demand for our Magnetic Solutions products from our networking customers and through our distribution channels has been the primary driver as we believe these customers continue to work through inventory on hand. The lower sales volume and favorable exchange rates with the Chinese renminbi versus the U.S. dollar, were the primary drivers of gross margin reduction for this product group in 2023 compared with 2022.

## **Cost of Sales**

Cost of sales as a percentage of net sales for the years ended December 31, 2024, 2023 and 2022 consisted of the following:

	Years Ended December 31,		
	2024	2023	2022
Material costs	29.7%	40.8%	45.4%
Labor costs	7.8%	6.6%	8.3%
Other expenses	24.7%	18.9%	18.3%
Total cost of sales	62.2%	66.3%	72.0%

### **2024 as Compared to 2023**

Material costs as a percentage of sales during 2024 were lower compared to 2023, due to a shift in product mix, the stabilization of raw material pricing, shorter lead times, and better procurement efforts. Labor costs in 2024 as a percentage of sales have increased compared to 2023 due to lower sales volume, a shift in product mix in 2024 compared to the previous year, and the increase in statutory minimum wage rate in Mexico. This increase in labor cost was partially offset by lower labor costs in the PRC due to the favorable fluctuation in the Chinese renminbi exchange rate versus the U.S. dollar.

The other expenses noted in the table above include fixed cost items such as support labor and fringe, depreciation and amortization, and facility costs (i.e. rent, utilities, insurance). In total, these other expenses within cost of sales have decreased by \$1.5 million in 2024 as compared to 2023. As a percentage of sales, other expenses increased due to the lower sales volume in 2024 as compared to 2023.

### **2023 as Compared to 2022**

Material costs as a percentage of sales during 2023 came down compared to 2022, as pricing actions helped to offset the continued heightened cost of certain raw materials. Labor costs in 2023 as a percentage of sales decreased significantly from 2022 due to a variety of factors, including the shift in product mix resulting in a lower consolidated percentage of sales from our labor-intensive Magnetic products, lower labor costs in the PRC due to the favorable fluctuation in the Chinese renminbi exchange rate versus the U.S. dollar, and the restructuring and efficiency programs implemented throughout 2023 in our Connectivity Solutions segment. The reduction in labor costs were partially offset by the unfavorable fluctuation of the Mexican Peso exchange rate versus the U.S. dollar in 2023 versus 2022.

The other expenses noted in the table above include fixed cost items such as support labor and fringe, depreciation and amortization, and facility costs (i.e. rent, utilities, insurance). In total, these other expenses were largely the same in 2023 as compared to 2022 as the benefits realized on cost savings initiatives were offset by higher costs from the redundant operations in the PRC that were in place while our facility consolidation project was underway for much of 2023.

## **Research and Development ("R&D")**

R&D expenses were \$23.6 million, \$22.5 million and \$20.2 million for the years ended December 31, 2024, 2023, and 2022, respectively. The increase noted in R&D expenses during 2024 compared to 2023 is largely due to higher salaries, benefits, product development costs and R&D expense of the 2024 Enercon acquisition, which have been included in Bel's results since its acquisition date. The increase noted in R&D expenses during 2023 compared to 2022 is largely due to higher salaries, benefits, and product development costs.

## **Selling, General and Administrative Expenses ("SG&A")**

### **2024 as Compared to 2023**

SG&A expenses were \$110.6 million in 2024 as compared with \$99.1 million in 2023. The primary drivers for the increase in SG&A during 2024 related to acquisition-related costs within SG&A of \$10.9 million in connection with the acquisition of Enercon, and \$2.5 million of SG&A expenses attributable to the acquired business for the two months of 2024 under Bel ownership. Excluding these items related to Enercon, legacy-Bel SG&A expenses declined due to lower legal fees, as well as lower incentive compensation, commissions and business promotion expenses in 2024, as compared to 2023 due to the lower sales base in the 2024 period.

### 2023 as Compared to 2022

SG&A expenses were \$99.1 million in 2023 as compared with \$92.3 million in 2022. Within SG&A, increases in salaries and fringe benefits of \$6.1 million, legal and professional fees of \$2.4 million, and travel of \$1.0 million were partially offset by a \$1.3 million reduction in commissions to outside sales representatives, and a \$1.2 million reduction in depreciation and amortization as compared to 2022.

### Restructuring Charges

The Company recorded \$3.5 million of restructuring charges in 2024 largely in connection with the Glen Rock initiative and the Fuse initiative, as further described in "Overview - Key Factors Affecting our Business - Restructuring" above. In 2023, the Company recorded \$10.1 million of restructuring charges largely in connection with the four facility consolidation projects in the U.S., UK and PRC. In 2022, the Company recorded \$7.3 million of restructuring charges related to these same four facility consolidation projects in the U.S., UK and PRC.

### Gain on Sale of Properties

During 2023, the Company recorded a gain of \$3.8 million related to the sale of one of its properties in Jersey City, New Jersey. In 2022, a gain of \$1.6 million was recorded in connection with the sale of a separate property in Jersey City.

### Interest Expense

#### 2024 as Compared to 2023

The Company incurred interest expense of \$4.1 million in 2024 and \$2.9 million in 2023 primarily due to its outstanding borrowings under the Company's credit agreement. The increase in interest expense during 2024 related to a increase in debt balance in the fourth quarter of 2024 due to Enercon acquisition (see Note 3, "Acquisition and Divestiture" for additional details). See "Liquidity and Capital Resources" and Note 11, "Debt" for further information on the Company's outstanding debt.

#### 2023 as Compared to 2022

The Company incurred interest expense of \$2.9 million in 2023 and \$3.4 million in 2022 primarily due to its outstanding borrowings under the Company's credit agreement. The lower interest expense during 2023 related to a lower debt balance throughout 2023 as compared to 2022.

### Interest Income

The Company earned interest income of \$4.8 million in 2024, \$1.7 million in 2023, and \$0.2 million in 2022, primarily related to its investments in U.S. Treasury Bills during the 2023 and 2024 periods.

### Other Expense, Net

#### 2024 as Compared to 2023

Other expense, net was a net expense of \$3.2 million in 2024 compared to a net expense of \$4.5 million in 2023. The net expense in 2024 was comprised of a foreign exchange loss of \$1.9 million, \$0.6 million of losses associated with Bel's investment in innoelectric and \$2.0 million of stamp duty fees related to Enercon; partially offset by a gain of \$1.3 million related to the Company's SERP investments. The net expense in 2023 was comprised of a foreign exchange loss of \$1.4 million, the loss on liquidation of a foreign subsidiary of \$2.7 million, \$0.8 million of losses associated with Bel's investment in innoelectric and \$0.8 million of other expense; partially offset by a gain of \$1.2 million related to the Company's SERP investments.

#### 2023 as Compared to 2022

Other expense, net was a net expense of \$4.5 million in 2023 compared to a net expense of \$2.9 million in 2022. The net expense in 2023 was comprised of a foreign exchange loss of \$1.4 million, the loss on liquidation of a foreign subsidiary of \$2.7 million, \$0.8 million of losses associated with Bel's investment in innoelectric and \$0.8 million of other expense; partially offset by a gain of \$1.2 million related to the Company's SERP investments. The net expense in 2022 was comprised of a foreign exchange loss of \$2.2 million in 2022 related to the Company's SERP investments and \$1.0 million of other expense; partially offset by foreign exchange gains of \$0.3 million.

## Income Taxes

The Company's effective tax rate will fluctuate based on the geographic regions in which the pretax profits are earned. Of the jurisdictions in which the Company operates, the U.S. and Europe's tax rates are generally equivalent; and Asia has the lowest tax rates of the Company's three geographic regions. See Note 10, "Income Taxes."

### 2024 as Compared to 2023

The provision for income taxes for the years ended December 31, 2024 and 2023 was \$12.6 million and \$9.5 million, respectively. The Company's earnings before income taxes for the year ended December 31, 2024 were approximately \$21.5 million lower as compared with the year ended December 31, 2023, primarily attributable to a decrease in income in the Asia and North America regions. The Company's effective tax rate was 20.5% and 11.4% for the years ended December 31, 2024 and 2023, respectively. The change in the effective tax rate during the year ended December 31, 2024 as compared to 2023 is primarily attributable to an increase in tax expense relating to valuation allowances and prior period accruals, as well as a decrease in the tax benefit relating to the reversal of uncertain tax positions resulting from the expiration of certain statutes of limitations.

### 2023 as Compared to 2022

The provision for income taxes for the years ended December 31, 2023 and 2022 was \$9.5 million and \$6.4 million, respectively. The Company's earnings before income taxes for the year ended December 31, 2023, were approximately \$24.2 million higher as compared with the year ended December 31, 2022, primarily attributable to an increase in income in the Asia and North America regions. The Company's effective tax rate was 11.4% and 10.8% for the years ended December 31, 2023 and 2022, respectively. The change in the effective tax rate during the year ended December 31, 2023, as compared to 2022 is primarily attributable to an increase in tax expense resulting from higher U.S. income, which was offset by a benefit resulting from the impact of permanent differences on U.S. activities, as well as an increase in the tax benefit relating to the reversal of uncertain tax positions resulting from the expiration of certain statutes of limitations.

### Other Tax Matters

The Company has a portion of its products manufactured on the mainland of the PRC where Bel is not subject to corporate income tax on manufacturing services provided by third parties. Hong Kong has a territorial tax system which imposes corporate income tax at a rate of 16.5% on income from activities solely conducted in Hong Kong.

The Company holds an offshore business license from the government of Macao. With this license, a Macao offshore company named Bel Fuse (Macao Commercial Offshore) Limited ("Bel Fuse Macao") has been established to handle the Company's sales to third-party customers in Asia. Sales by this company primarily consist of products manufactured in the PRC. Bel Fuse Macao is subject to Macao's corporate tax rate of 12% on income from activities solely conducted in Macao.

Due to the practicality of determining the deferred taxes on outside basis differences in our investments in our foreign subsidiaries, management has not provided for deferred taxes on outside basis differences at December 31, 2024 and deemed that these basis differences will be indefinitely reinvested.

## **Inflation and Foreign Currency Exchange**

During the past two years, we do not believe the effect of inflation was material to our consolidated financial position or our consolidated results of operations. We are exposed to market risk from changes in foreign currency exchange rates. Fluctuations of the U.S. dollar against other major currencies have not significantly affected our foreign operations as most sales continue to be denominated in U.S. dollars or currencies directly or indirectly linked to the U.S. dollar. Most significant expenses, including raw materials, labor and manufacturing expenses, are incurred primarily in U.S. dollars, Mexican pesos, the Chinese renminbi or the Israeli shekel, and to a lesser extent in British pounds, or Indian rupees. The Mexican pesos depreciated by 3%, the Euro was flat, the British pound appreciated by 2%, and the Indian rupee and the Chinese renminbi each depreciated by 2% versus the U.S. dollar in 2024 compared to 2023. To the extent the renminbi, peso or shekel appreciate in future periods, it could result in the Company's incurring higher costs for most expenses incurred in the PRC, Mexico and Israel. The Company periodically uses foreign currency forward contracts to manage its short-term exposures to fluctuations in operational cash flows resulting from changes in foreign currency exchange rates as further described in Note 13, "*Derivative Instruments and Hedging Activities*". The Company's European entities, whose functional currencies are Euros and British pounds, enter into transactions which include sales that are denominated principally in Euros, British pounds and various other European currencies, and purchases that are denominated principally in U.S. dollars and British pounds. Such transactions, as well as those related to our multi-currency intercompany payable and receivable transactions, resulted in a net realized and unrealized currency exchange loss of \$1.9 million in 2024, a loss of \$1.4 million in 2023 and a gain of \$0.3 million in 2022 which were included in other expense, net on the consolidated statements of operations. Translation of subsidiaries' foreign currency financial statements into U.S. dollars resulted in translation adjustments, net of taxes, of (\$5.5) million and \$6.7 million for the years ended December 31, 2024 and 2023, respectively, which are included in accumulated other comprehensive loss on the consolidated balance sheets.

## **Liquidity and Capital Resources**

Our principal sources of liquidity include \$68.3 million of cash and cash equivalents at December 31, 2024, \$1.0 million of held to maturity investments in U.S. Treasury securities, cash provided by operating activities and borrowings available under our credit facility. We expect to use this liquidity for operating expenses, investments in working capital, capital expenditures, interest, taxes, dividends, debt obligations and other long-term liabilities. We believe that our current liquidity position and future cash flows from operations will enable us to fund our operations, both in the next twelve months and in the longer term.

### **Cash Flow Summary**

During the year ended December 31, 2024, the Company's cash and cash equivalents decreased by \$21.1 million. This decrease was primarily due to the following:

- payment for Enercon acquisition of \$320.5 million;
- purchase of common stock of \$16.1 million;
- repayment of long-term debt of \$15 million;
- dividend payments of \$3.5 million;
- deferred financing costs of \$1.7 million;
- purchases of property, plant and equipment of \$14.1 million; and
- purchases of held to maturity and marketable securities of \$131.3 million; partially offset by
  - net cash provided by operating activities of \$74.1 million;
  - proceeds of long-term debt of \$242.5 million;
  - proceeds from held to maturity securities of \$167.9 million; and
  - proceeds from the sale of property, plant and equipment of \$0.9 million.

During the year ended December 31, 2024, accounts receivable decreased by \$6.8 million primarily due to the lower sales volume in 2024 as compared to 2023. Days sales outstanding (DSO) increased to 68 days at December 31, 2024 from 55 days at December 31, 2023. Inventories increased by \$24.8 million from the December 31, 2023 level primarily due to the inclusion of Enercon's inventory balance at December 31, 2024 of \$42.7 million. Inventory turns were 2.1 times for the year ended December 31, 2024 and 3.1 times for the year ended December 31, 2023. Given the nature of Enercon's manufacturing process and low unit quantity per order, a higher value of inventory is kept on hand for longer periods of time, with Enercon's inventory turns being 1.6 times, bringing Bel's consolidated inventory turn level down substantially.

During the year ended December 31, 2023, the Company's cash and cash equivalents increased by \$19.1 million. This increase was primarily due to cash provided by operating activities of \$108.3 million, proceeds from the sale of property, plant and equipment of \$6.0 million, proceeds from held to maturity securities of \$19.9 million, and proceeds from the sale of our business in the Czech Republic of \$5.1 million; partially offset by the purchases of held to maturity and marketable securities of \$60.0 million, payments for our equity method investment in innoelectric of \$10.3 million, purchases of property, plant and equipment of \$12.1 million, dividend payments of \$3.5 million, and net repayments under our revolving credit line of \$35.0 million. During the year ended December 31, 2023, accounts receivable decreased \$22.5 million primarily due to the lower sales volume in the second half of 2023 as compared to the same period of 2022. DSO decreased to 55 days at December 31, 2023 from 58 days at December 31, 2022. Inventories decreased by \$33.6 million from the December 31, 2022 level. Inventory turns were 3.1 times for the year ended December 31, 2023 and 2.7 times for the year ended December 31, 2022.

During the year ended December 31, 2022, the Company's cash and cash equivalents increased by \$8.5 million. This increase was primarily due to cash provided by operating activities of \$40.3 million, and proceeds from the sale of property, plant and equipment of \$1.8 million; partially offset by the purchase of property, plant and equipment of \$8.8 million, dividend payments of \$3.4 million, and repayments under our revolving credit line of \$17.5 million. During the year ended December 31, 2022, accounts receivable increased \$20.7 million primarily due to the higher sales volume in 2022 as compared to 2021. DSO increased to 58 days at December 31, 2022 from 54 days at December 31, 2021. Inventories increased by \$36.6 million from the December 31, 2021 level as raw material supply constraints hindered our ability, and our end customers' ability, to fully manufacture our respective finished goods. Inventory turns were 2.6 times for the year ended December 31, 2022 as compared to 3.1 times for the year ended December 31, 2021.

Cash and cash equivalents, held to maturity U.S. Treasury securities and accounts receivable comprised approximately 19.0% and 36.9% of the Company's total assets at December 31, 2024 and December 31, 2023, respectively. The Company's current ratio (i.e., the ratio of current assets to current liabilities) was 2.9 to 1 and 3.4 to 1 at December 31, 2024 and December 31, 2023, respectively. At December 31, 2024 and 2023, \$48.4 million and \$40.9 million, respectively (or 71% and 46%, respectively), of cash and cash equivalents was held by foreign subsidiaries of the Company. During 2024, the Company repatriated \$48 million of funds from outside of the U.S., with minimal incremental tax liability. We continue to analyze our global working capital and cash requirements and the potential tax liabilities attributable to further repatriation, and we have yet to make any further determination regarding repatriation of funds from outside the U.S. to fund the Company's U.S. operations in the future. In the event these funds were needed for Bel's U.S. operations, the Company would be required to accrue and pay U.S. state taxes and any applicable foreign withholding taxes to repatriate these funds.

#### Future Cash Requirements

The Company expects foreseeable liquidity and capital resource requirements to be met through its existing cash and cash equivalents, held to maturity investments in U.S. Treasury securities and anticipated cash flows from operations, as well as borrowings available under its revolving credit facility, if needed. The Company's material cash requirements arising in the normal course of business primarily include:

*Debt Obligations and Interest Payments* - The Company had \$287.5 million outstanding under its revolving credit facility at December 31, 2024, as further described below and in Note 11, "Debt". There are no mandatory principal payments due on the credit facility borrowings during 2025. The current balance of \$287.5 million is due upon expiration of the credit facility on September 1, 2026. Anticipated interest payments due amount to \$28.7 million, of which \$17.2 million is expected to be paid in 2025 based on our debt balance and interest rate in place at December 31, 2024.

*Lease Obligations* - The Company has operating leases for its facilities used for manufacturing, research and development, sales and administration. There are also operating and finance leases related to manufacturing equipment, office equipment and vehicles. As of December 31, 2024, the Company was contractually obligated to pay future operating lease payments of \$29.0 million, of which \$9.1 million is expected to be paid in 2025, and future financing lease obligations of \$3.0 million, of which \$0.8 million is expected to be paid in 2025. See Note 18, "Leases," for further information.

*Purchase Obligations* - The Company submits purchase orders for raw materials to various vendors throughout the year for current production requirements, as well as forecasted requirements. Certain of these purchase orders relate to special purpose material and, as such, the Company may incur penalties if an order is cancelled. The Company had outstanding purchase orders related to raw materials in the amount of \$82.2 million at December 31, 2024, of which \$75.1 million is expected to be paid in 2025. The Company also had outstanding purchase orders related to capital expenditures which totaled \$4.7 million at December 31, 2024, all of which is expected to be paid in 2025.

*Pension Benefit Obligations* - As further described in Note 15, "Retirement Fund and Profit Sharing Plan", the Company maintains a Supplemental Executive Retirement Plan ("SERP"). At December 31, 2024, estimated future obligations under the plan amounted to \$18 million. It is expected that the Company will pay \$0.9 million in benefit payments in connection with the SERP during 2025. Included in other assets at December 31, 2024 is the cash surrender value of company-owned life insurance and marketable securities held in a rabbi trust with an aggregate value of \$17.0 million, which has been designated by the Company to be utilized to fund the Company's SERP obligations.

*Dividends* - The Company has historically paid quarterly dividends on its two classes of common stock, which amounted to \$3.5 million in 2024 as compared to \$3.5 million in 2023. Consistent with the dividend rates declared in prior years, Bel's Board of Directors declared dividends on November 1, 2024 and again on February 12, 2025 on each of our two classes of common stock. These two quarterly payments will be made in the first half of 2025 in the total anticipated amount of \$1.7 million.

*Share Repurchase Program* - In February 2024, Bel's Board of Directors authorized the repurchase of up to \$25 million of the Company's common stock. The Repurchase Program does not obligate the Company to repurchase any dollar amount or number of shares, and the Repurchase Program may be suspended or terminated at any time. The timing and actual number of shares repurchased will depend on a variety of factors including price, market conditions, corporate and regulatory requirements and the consideration of other uses of cash including other investment opportunities. At December 31, 2024, the Company had an aggregate amount of \$9.0 million of authorized repurchases under the plan that had not yet been executed upon.

*Tax Payments* - At December 31, 2024, we had liabilities for unrecognized tax benefits and related interest and penalties of \$18.1 million, all of which is included in other liabilities on our consolidated balance sheet. At December 31, 2024, we cannot reasonably estimate the future period or periods of cash settlement of these liabilities. See Note 10, "Income Taxes", for further discussion. Also included on our consolidated balance sheet at December 31, 2024 is \$2.0 million of liabilities for transition tax associated with the 2017 U.S. tax reform, all of which is expected to be paid in 2025.

In addition to its cash requirements arising in the normal course of business described above, the Company has potential future cash requirements related to its acquisition of Enercon, whereby the Company has recorded earnout liabilities having a fair value as of December 31, 2024 in the amount of \$3.5 million that would be paid over 2025 and 2026 in the event certain financial thresholds are achieved by the acquired business based on the Purchase Agreement provision which provides for potential earnout payments of up to \$5 million for each of the fiscal 2025 and fiscal 2026 earnout periods subject to the achievement of the financial thresholds. Further, there are put-call options associated with the redeemable noncontrolling interest in early 2027. As described elsewhere in this Annual Report, we have the current intention to purchase the remaining 20% interest in Enercon by early 2027 in accordance with the terms and subject to the conditions of the shareholders' agreement. At December 31, 2024, the redemption value related to the redeemable noncontrolling interest was \$80.6 million. See Note 3, "Acquisition and Divestiture" and Note 6, "Fair Value Measurements" for further information.

### Contractual Obligations

The following table sets forth at December 31, 2024 the amounts of payments due under specific types of contractual obligations, aggregated by category of contractual obligation, for the time periods described below.

Contractual Obligations	Payments due by period (dollars in thousands)				
	Total	Less than 1 year	1-3 years	3-5 years	More than 5 years
Long-term debt obligations(1)	\$ 287,500	\$ -	\$ 287,500	\$ -	\$ -
Interest payments due on long-term debt(2)	28,742	17,198	11,544	-	-
Capital expenditure obligations	4,693	4,693	-	-	-
Operating leases(3)	28,983	9,079	10,870	5,026	4,008
Raw material purchase obligations	82,215	75,126	7,089	-	-
First quarter 2025 quarterly cash dividend declared	880	880	-	-	-
Total	\$ 433,013	\$ 106,976	\$ 317,003	\$ 5,026	\$ 4,008

- (1) Represents the principal amount of the debt required to be repaid in each period.
- (2) Includes interest payments required under our CSA related to our revolver balance. The interest rate in place under our Credit and Security Agreement on December 31, 2024 was utilized and this calculation assumes obligations are repaid when due.
- (3) Represents estimated future minimum annual rental commitments primarily under non-cancelable real and personal property leases as of December 31, 2024.

### Credit Facility

The Company is a party to a credit agreement, as further described in Note 11, "Debt". The credit agreement contains customary representations and warranties, covenants and events of default. In addition, the credit agreement contains financial covenants that measure (i) the ratio of the Company's total funded indebtedness, on a consolidated basis, less the aggregate amount of all unencumbered cash and cash equivalents, to the amount of the Company's consolidated EBITDA ("Leverage Ratio") and (ii) the ratio of the amount of the Company's consolidated EBITDA to the Company's consolidated fixed charges ("Fixed Charge Coverage Ratio"). If an event of default occurs, the lenders under the credit agreement would be entitled to take various actions, including the acceleration of amounts due thereunder and all actions permitted to be taken by a secured creditor.

At December 31, 2024, the Company had \$287.5 million outstanding under its credit agreement. The unused credit available under the credit facility at December 31, 2024 was \$37.5 million, of which we had the ability to borrow the full amount without violating our Leverage Ratio covenant based on the Company's existing consolidated EBITDA. At December 31, 2024, the Company was in compliance with its debt covenants, including its most restrictive covenant, the Leverage Ratio.

At December 31, 2024, the Company was also a party to two pay-fixed, receive-variable interest rate swap agreements covering the full amount of its then variable interest exposure through August 2026. See Note 13, "Derivative Instruments and Hedging Activities" for further details.

### Critical Accounting Estimates

The Company's consolidated financial statements include certain amounts that are based on management's best estimates and judgments. The Company bases its estimates on historical experience and on various other assumptions, including in some cases future projections, that are believed to be reasonable under the circumstances. The results of these estimates form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions. Different assumptions and judgments could change the estimates used in the preparation of the consolidated financial statements, which, in turn, could change the results from those reported. Management evaluates its estimates, assumptions and judgments on an ongoing basis.

Based on the above, we have determined that our most critical accounting estimates are those related to business combinations, inventory valuation, goodwill and other indefinite-lived intangible assets, and those related to our pension benefit obligations.

### Business Combinations

In a business combination, we allocate the fair value of purchase price consideration to the identifiable assets acquired, the liabilities assumed, and any noncontrolling interest in the acquiree based on their estimated fair values. The excess of the fair value of purchase price consideration over the fair values of these identifiable assets and liabilities is recorded as goodwill. Such valuations require management to make significant estimates and assumptions, especially with respect to intangible assets. Significant estimates in valuing certain intangible assets include, but are not limited to, future expected cash flows from acquired customers or earned through the use of acquired trademarks, estimated royalty rates, acquired technology, useful lives and discount rates. Management's estimates of fair value are based upon assumptions believed to be reasonable, but which are inherently uncertain and unpredictable and, as a result, actual results may differ from estimates.

## Inventory Valuation

Inventories consist of raw materials and purchased components and are stated at the lower of cost and net realizable value. Material costs are principally determined by standard cost or the weighted moving average method, both of which approximate actual cost. The Company reduces the carrying value of its inventory for estimated obsolescence or unmarketable inventory by an amount equal to the difference between the cost of inventory and the estimated market value based on the aforementioned assumptions. Our reserve calculations are based on historical experience related to slow-moving inventory in addition to specific known concerns in the case of products going end-of-life or customer cancellations. As of December 31, 2024 and 2023, the Company had reserves for excess or obsolete inventory of \$14.5 million and \$13.7 million, respectively. With the recent acquisition of Enercon our value of inventory on hand has increased by \$24.8 million from December 31, 2023 to December 31, 2024. In the event of a sudden decrease in demand for our products, or a higher incidence of inventory obsolescence, the Company could be required to increase its inventory reserve, which would have an unfavorable impact on our gross margin.

## Goodwill

We use a fair value approach to test goodwill for impairment. We must recognize a non-cash impairment charge for the amount, if any, by which the carrying amount of goodwill exceeds its implied fair value. We derive an estimate of fair values for each of our reporting units using a combination of an income approach and an appropriate market approach, each based on an applicable weighting. We assess the applicable weighting based on such factors as current market conditions and the quality and reliability of the data. Absent an indication of fair value from a potential buyer or similar specific transactions, we believe that the use of these methods provides a reasonable estimate of a reporting unit's fair value.

Fair value computed by these methods is arrived at using a number of factors, including projected future operating results, anticipated future cash flows, effective income tax rates, comparable marketplace data within a consistent industry grouping, and the cost of capital. There are inherent uncertainties, however, related to these factors and to our judgment in applying them to this analysis. Nonetheless, we believe that the combination of these methods provides a reasonable approach to estimate the fair value of our reporting units. Assumptions for sales, net earnings and cash flows for each reporting unit were consistent among these methods.

### *Income Approach Used to Determine Fair Values*

The income approach is based upon the present value of expected cash flows. Expected cash flows are converted to present value using factors that consider the timing and risk of the future cash flows. The estimate of cash flows used is prepared on an unleveraged debt-free basis. We use a discount rate that reflects a market-derived weighted average cost of capital. We believe that this approach is appropriate because it provides a fair value estimate based upon the reporting unit's expected long-term operating and cash flow performance. The projections are based upon our best estimates of projected economic and market conditions over the related period including growth rates, estimates of future expected changes in operating margins and cash expenditures. Other significant estimates and assumptions include terminal value long-term growth rates, provisions for income taxes, future capital expenditures and changes in future cashless, debt-free working capital. We applied a combined weighting of 75% to the income approach when determining the fair value of our reporting units.

### *Market Approach Used to Determine Fair Values*

The market approach estimates the fair value of the reporting unit by applying multiples of operating performance measures to the reporting unit's operating performance (the "Guideline Publicly Traded Company Method"). These multiples are derived from comparable publicly traded companies with similar investment characteristics to the reporting unit, and such comparables are reviewed and updated as needed annually. We believe that this approach is appropriate because it provides a fair value estimate using multiples from entities with operations and economic characteristics comparable to our reporting units and the Company as a whole. The key estimates and assumptions that are used to determine fair value under this market approach include current and forward 12-month operating performance results and the selection of the relevant multiples to be applied. Under the Guideline Publicly Traded Company Method, a control premium, or an amount that a buyer is usually willing to pay over the current market price of a publicly traded company, is applied to the calculated equity values to adjust the public trading value upward for a 100% ownership interest, where applicable.

In order to assess the reasonableness of the calculated fair values of our reporting units, we also compare the sum of the reporting units' fair values to our market capitalization and calculate an implied control premium (the excess of the sum of the reporting units' fair values over the market capitalization). We evaluate the control premium by comparing it to control premiums of recent comparable market transactions. If the implied control premium is not reasonable in light of these recent transactions, we will reevaluate our fair value estimates of the reporting units by adjusting the discount rates and/or other assumptions.

We applied a combined weighting of 25% to the market approach when determining the fair value of our reporting units.

As indicated in Note 5, "Goodwill and Other Intangible Assets", the fair value of each of our four reporting units exceeded their respective carrying values by a very large margin (ranging from 44% to 500%). If market factors change and the discount rate utilized in the fair value calculation changes, it would result in a higher or lower fair value of our reporting units. The discount rates utilized in our October 1, 2024 impairment test ranged from 10.0% to 14.5%. An increase in the discount rate assumption of 50 basis points would have impacted the fair values of our reporting units, and would have reduced the excess of fair value over carrying value to a revised range of 38% to 478%. Further, if we are unable to achieve the projected revenue growth rates or margins assumed in our projections, this would also impact the fair value of our reporting units. Effective with the October 1, 2024 testing date, we changed our reporting unit structure to align with how management is currently reviewing and managing the business. Based on the testing performed, no impairment existed either under the former reporting unit structure or under the new reporting unit structure. If we were to change our reporting unit structure again or if other events and circumstances change (such as a sustained decrease in the price of our common stock, a decline in current market multiples, a significant adverse change in legal factors or business climates, an adverse action or assessment by a regulator, heightened competition, strategic decisions made in response to economic or competitive conditions or a more-likely-than-not expectation that a reporting unit or a significant portion of a reporting unit will be sold or disposed of), we may be required to record impairment charges in future periods. Any impairment charges that we may take in the future could be material to our consolidated results of operations and consolidated financial condition.

The Company conducted its annual goodwill impairment test as of October 1, 2024, and no impairment was identified at that time. Management has also concluded that the fair value of its goodwill exceeded the associated carrying value at December 31, 2024 and that no impairment exists as of that date. See Note 5, "Goodwill and Other Intangible Assets," for details of our goodwill balance and the goodwill review performed in 2024. We will continue to monitor goodwill on an annual basis and whenever events or changes in circumstances, such as significant adverse changes in business climate or operating results, changes in management's business strategy or significant declines in our stock price, indicate that there may be a potential indicator of impairment.

#### Indefinite-Lived Intangible Assets

The Company tests indefinite-lived intangible assets for impairment annually on October 1, or upon a triggering event, using a fair value approach, the relief-from-royalty method (a form of the income approach). The Company conducted its annual impairment tests as of October 1, 2024 and in connection with its analysis, identified and recorded a \$0.4 million impairment charge related to its CUI tradename. This charge is reflected in the accompanying statement of operations during the year ended December 31, 2024. No impairment was identified at the Company's October 1, 2023 testing date. Management has also concluded that the fair value of its trademarks exceeds the associated carrying values at December 31, 2024 and that no impairment existed as of that date. At December 31, 2024, the Company's indefinite-lived intangible assets related solely to trademarks.

#### Pension Benefit Obligations

Net periodic benefit cost for the Company's SERP totaled \$1.4 million in 2024, \$1.3 million in 2023, and \$1.5 million in 2022. Benefit plan information for financial reporting purposes is calculated using actuarial assumptions including a discount rate for plan benefit obligations. The changes in net periodic benefit cost year-over-year are attributable to demographic changes within the plan, as well as any changes to the discount rate or the assumption around the future annual increases in compensation. The discount rate utilized for the net periodic benefit cost was 4.75% at December 31, 2024 and 5.0% at December 31, 2023. An increase or decrease in this 2024 discount rate assumption of 25 basis points would have increased/decreased the 2024 periodic benefit cost by less than \$0.1 million. The discount rate utilized for the pension benefit obligation was 5.50% at December 31, 2024 and 4.75% at December 31, 2023. An increase in this 2024 discount rate assumption of 25 basis points would have reduced the pension benefit obligation by \$0.4 million at December 31, 2024. A decrease in this 2024 discount rate assumption of 25 basis points would have increased the pension benefit obligation by \$0.5 million at December 31, 2024.

#### Other Matters

The Company believes that it has sufficient cash reserves to fund its foreseeable working capital needs. It may, however, seek to expand such resources through bank borrowings, at favorable lending rates, from time to time. If the Company were to undertake another substantial acquisition for cash, the acquisition would either be funded with cash on hand or would be financed through cash on hand and through bank borrowings or the issuance of public or private debt or equity. If the Company borrows additional money to finance acquisitions, this would further decrease the Company's ratio of earnings to fixed charges, and could further impact the Company's material restrictive covenants, depending on the size of the borrowing and the nature of the target company. Under its existing credit facility, the Company is required to obtain its lender's consent for certain additional debt financing and to comply with other covenants, including the application of specific financial ratios, which may limit the Company's ability to pay cash dividends on its common stock and/or the amounts thereof, including to the extent that payment of any such dividend would cause noncompliance with any such financial ratio. Depending on the nature of the transaction, the Company cannot assure investors that the necessary acquisition financing would be available to it on acceptable terms, or at all, when required. If the Company issues a substantial amount of stock either as consideration in an acquisition or to finance an acquisition, such issuance may dilute existing stockholders and may take the form of capital stock having preferences over its existing common stock.

## New Financial Accounting Standards

The discussion of new financial accounting standards applicable to the Company is incorporated herein by reference to Note 1, "Description of Business and Summary of Significant Accounting Policies."

### **Item 7A. Quantitative and Qualitative Disclosures About Market Risk**

The Company is exposed to various risks in its business activities, including market risks related to interest rates, foreign currency exchange rates, and fluctuations in commodity prices.

#### Interest Rate Risk

On November 14, 2024, Bel entered into a Third Amendment Agreement (the "Third Amendment") to the Credit and Security Agreement (CSA). This amendment includes certain modifications, such as (i) increasing the maximum revolving credit amount from \$175 million to \$325 million to finance the Enercon acquisition and (ii) making loans under the new revolving credit facility with an aggregate principal amount of \$240 million. As of December 31, 2024, outstanding borrowings under the revolving credit facility amounted to \$287.5 million, with unused credit available of \$37.5 million. The Company incurred \$4.1 million in interest expense during the year ended December 31, 2024, related to interest due on its outstanding borrowings under the CSA. An interest rate swap with a notional value of \$60 million was designated as a cash flow hedge to mitigate the variability of cash flows associated with the Company's SOFR-based loans scheduled to mature on September 1, 2026. This cash flow hedge partially reduces the Company's exposure to future interest rate fluctuations. After accounting for the aforementioned hedge, the remaining borrowings of \$227.5 million, which represent approximately 79% of the Company's total debt, are still subject to future interest rate changes that could adversely affect the Company's cash flows. A prospective increase of 100 basis points in the interest rate applicable to the Company's outstanding borrowings under its credit facility would lead to an estimated increase of \$2.3 million in annual interest expense.

#### Foreign Exchange Rate Risk

The Company operates globally, exposing it to foreign exchange risks stemming from currency fluctuations that can impact sales, margins, and equity. To manage this risk, the Company strategically locates factories near sales regions, utilizes hedging contracts, and carefully manages costs and working capital. However, these strategies may not completely shield the Company from sudden declines in foreign currencies. Key currencies involved include the euro and British pound, Chinese renminbi, Mexican pesos and Israeli Shekel. As of December 31, 2024, the Company faced significant exposure to foreign currencies, particularly the euro, Chinese renminbi, Mexican peso, and Indian rupee. The carrying value of intercompany loans at risk was approximately \$152 million, with potential losses of \$15.2 million projected from a hypothetical 10% decline in currency rates. Some exposures may offset others, reducing the overall risk. In the PRC, Mexico and Israel, the Company's labor costs are incurred in the respective local currency. Any fluctuations in related exchange rates could result in the Company incurring higher expenses in those countries. The Company employs foreign exchange forward contracts for hedging, which, as of December 31, 2024, had a fair value that was not material. A 10% change in exchange rates would not significantly impact this value. The Company does not engage in speculative trading and maintains strong relationships with financial institutions to minimize exposure risks. See the "Inflation and Foreign Currency Exchange" section above for additional information related to the Company's foreign exchange rate risk.

#### Commodity Price Risk

The Company utilizes various metals in the production of its products, including copper, zinc, tin, gold, and silver. Fluctuations in the prices of these and other commodities can lead to significantly higher production costs. The Company believes it has adequate primary and secondary sources for each of its key materials. While facing potential volatility in metal prices and anticipating increased material costs, the Company actively monitors these risks. To mitigate any possible negative impacts from these changes, it has implemented and may continue to implement various strategies, including price adjustments and productivity improvements.

### **Item 8. Financial Statements and Supplementary Data**

See the consolidated financial statements listed in the accompanying Index to Consolidated Financial Statements for the information required by this item.

BEL FUSE INC. AND SUBSIDIARIES  
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## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Shareholders  
Bel Fuse Inc.

### Opinion on the financial statements

We have audited the accompanying consolidated balance sheets of Bel Fuse Inc. (a New Jersey corporation) and subsidiaries (the “Company”) as of December 31, 2024 and 2023, the related consolidated statements of operations, comprehensive income, stockholders’ equity and redeemable noncontrolling interest, and cash flows for each of the three years in the period ended December 31, 2024, and the related notes and financial statement schedule included under Item 15(a) (collectively referred to as the “consolidated financial statements”). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2024 and 2023, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2024, in conformity with accounting principles generally accepted in the United States of America.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (“PCAOB”), the Company’s internal control over financial reporting as of December 31, 2024, based on criteria established in the 2013 *Internal Control—Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (“COSO”), and our report dated February 28, 2025, expressed an unqualified opinion.

### Basis for opinion

These consolidated financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on the Company’s consolidated financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

### Critical audit matter

The critical audit matter communicated below is a matter arising from the current period audit of the financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

#### ***Acquisition of Enercon Technologies, Ltd. - Valuation of Noncontrolling Interest, Trade Names and Customer Relationships***

As described further in Note 3 to the consolidated financial statements, on November 14, 2024, the Company closed on its acquisition of its majority 80% stake in Enercon Technologies, Ltd (“Enercon”) for a total purchase price of \$324 million, net of cash acquired. The Company has recorded, on a preliminary basis, the assets acquired and liabilities assumed based on their estimated fair values, including noncontrolling interest (“NCI”), trade names and customer relationships of \$72.3 million, \$21.9 million and \$130.3 million, respectively. We identified the valuation of acquired Enercon trade names, customer relationships and noncontrolling interests as a critical audit matter.

The principal considerations for our determination that the valuation of acquired Enercon trade names, customer relationships and noncontrolling interests is a critical audit matter are (i) the significant judgments by management when determining assumptions used in the fair value measurement of the NCI and these acquired intangible assets (ii) the high degree of auditor judgment and subjectivity in performing procedures and evaluating management’s significant assumptions relating to the projected financial information including the revenue growth rate and weighted average cost of capital (“WACC”) and (iii) the audit effort involved the use of professionals with specialized skills and knowledge.

Our audit procedures related to the valuation of acquired Enercon trade names, customer relationships and noncontrolling interests includes the following, among others:

- We tested the design and operating effectiveness of the controls over the Company's acquisition and valuation process, including those over management's forecasts of future revenues and the WACC.
- We tested the projected financial information including the forecasted revenue growth rate by assessing the reasonableness of management's forecasts compared to historical results and forecasted industry trends.
- With the assistance of professionals with specialized skills and knowledge, we assessed the assumptions and methodologies used in developing the WACC by developing a range of independent estimates and comparing those to the rates selected by management.

/s/ GRANT THORNTON LLP

We have served as the Company's auditor since 2021.

Iselin, New Jersey  
February 28, 2025

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Board of Directors and Shareholders  
Bel Fuse Inc.

### Opinion on internal control over financial reporting

We have audited the internal control over financial reporting of Bel Fuse Inc. (a New Jersey corporation) and subsidiaries (the “Company”) as of December 31, 2024, based on criteria established in the 2013 *Internal Control—Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (“COSO”). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2024, based on criteria established in the 2013 *Internal Control—Integrated Framework* issued by COSO.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (“PCAOB”), the consolidated financial statements of the Company as of and for the year ended December 31, 2024, and our report dated February 28, 2025 expressed an unqualified opinion on those financial statements.

### Basis for opinion

The Company’s management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management’s Annual Report on Internal Control Over Financial Reporting (“Management’s Report”). Our responsibility is to express an opinion on the Company’s internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Our audit of, and opinion on, the Company’s internal control over financial reporting does not include the internal control over financial reporting of Enercon Technologies, Ltd. (“Enercon”), a majority owned subsidiary, whose financial statements reflect total assets and net sales constituting 15.9 and 3.9 percent, respectively, of the related consolidated financial statement amounts as of and for the year ended December 31, 2024. As indicated in Management’s Report, Enercon was acquired during 2024. Management’s assertion on the effectiveness of the Company’s internal control over financial reporting excluded internal control over financial reporting of Enercon.

### Definition and limitations of internal control over financial reporting

A company’s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company’s internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company’s assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ GRANT THORNTON LLP

Iselin, New Jersey  
February 28, 2025

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
(dollars in thousands, except share and per share data)

	December 31, 2024	December 31, 2023
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$ 68,253	\$ 89,371
Held to maturity U.S. Treasury securities	950	37,548
Accounts receivable, net of credit losses of \$1,336 and \$1,388, at December 31, 2024 and 2023, respectively	111,376	84,129
Inventories	161,370	136,540
Unbilled receivables	4,994	12,793
Assets held for sale	2,062	1,278
Other current assets	24,525	19,819
Total current assets	373,530	381,478
Property, plant and equipment, net	47,879	36,533
Right-of-use assets	25,125	20,481
Related-party note receivable	2,937	2,152
Equity method investment	9,265	10,282
Intangible assets, net	231,948	49,391
Goodwill, net	208,036	26,642
Deferred income taxes	16,430	11,553
Other assets	34,639	33,119
Total assets	\$ 949,789	\$ 571,631
<b>LIABILITIES, REDEEMABLE NONCONTROLLING INTEREST AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable	\$ 49,182	\$ 40,441
Accrued expenses	53,031	54,657
Operating lease liability, current	7,954	6,350
Other current liabilities	17,902	9,161
Total current liabilities	128,069	110,609
Long-term liabilities:		
Long-term debt	287,500	60,000
Operating lease liability, long-term	17,763	14,212
Liability for uncertain tax positions	18,127	19,823
Minimum pension obligation and unfunded pension liability	18,431	19,876
Deferred income taxes	28,916	1,456
Related-party note payable	4,995	-
Other long-term liabilities	4,826	5,097
Total liabilities	508,627	231,073
Commitments and contingencies (see Note 19)		
Redeemable noncontrolling interest	80,586	-

(continued)

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
(dollars in thousands, except share and per share data)

	December 31, 2024	December 31, 2023
<b>LIABILITIES, REDEEMABLE NONCONTROLLING INTEREST AND STOCKHOLDERS' EQUITY</b>		
Stockholders' equity:		
Preferred stock, no par value, 1,000,000 shares authorized; none issued	-	-
Class A common stock, par value \$.10 per share, 10,000,000 shares authorized; 2,115,263 shares and 2,141,589 shares outstanding at December 31, 2024 and December 31, 2023, respectively (net of 1,072,769 restricted treasury shares)	212	214
Class B common stock, par value \$.10 per share, 30,000,000 shares authorized; 10,425,175 shares and 10,620,260 shares outstanding at December 31, 2024 and December 31, 2023, respectively (net of 3,218,307 restricted treasury shares)	1,046	1,065
Treasury stock (unrestricted; none outstanding at December 31, 2024, consisted of 3,323 Class A shares and 17,342 Class B shares at December 31, 2023)	-	(454)
Additional paid-in capital	31,514	44,260
Retained earnings	345,031	307,510
Accumulated other comprehensive loss	(17,227)	(12,037)
Total stockholders' equity	360,576	340,558
Total liabilities, redeemable noncontrolling interest and stockholders' equity	\$ 949,789	\$ 571,631

See accompanying notes to consolidated financial statements.

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
(in thousands, except per share data)

	Year Ended December 31,		
	2024	2023	2022
Net sales	\$ 534,792	\$ 639,813	\$ 654,233
Cost of sales	332,434	423,964	470,780
Gross profit	<u>202,358</u>	<u>215,849</u>	<u>183,453</u>
Research and development costs	23,586	22,487	20,238
Selling, general and administrative expenses	110,616	99,091	92,342
Impairment of CUI tradename	400	-	-
Restructuring charges	3,459	10,114	7,322
Gain on sale of properties	-	(3,819)	(1,596)
Income from operations	<u>64,297</u>	<u>87,976</u>	<u>65,147</u>
Gain on sale of Czech Republic business	-	980	-
Interest expense	(4,078)	(2,850)	(3,379)
Interest income	4,754	1,697	177
Other expense, net	(3,165)	(4,503)	(2,886)
Earnings before provision for income taxes	<u>61,808</u>	<u>83,300</u>	<u>59,059</u>
Provision for income taxes	12,616	9,469	6,370
Net earnings available to common shareholders	<u>49,192</u>	<u>73,831</u>	<u>52,689</u>
Less: Net earnings attributable to noncontrolling interest	484	-	-
Redemption value adjustment attributable to noncontrolling interest	7,748	-	-
Net earnings attributable to Bel Fuse shareholders	<u>\$ 40,960</u>	<u>\$ 73,831</u>	<u>\$ 52,689</u>
Net earnings per common share:			
Class A common shares - basic and diluted	<u>\$ 3.10</u>	<u>\$ 5.52</u>	<u>\$ 4.01</u>
Class B common shares - basic and diluted	<u>\$ 3.28</u>	<u>\$ 5.83</u>	<u>\$ 4.24</u>
Weighted-average shares outstanding:			
Class A common shares - basic and diluted	<u>2,124</u>	<u>2,142</u>	<u>2,143</u>
Class B common shares - basic and diluted	<u>10,491</u>	<u>10,634</u>	<u>10,394</u>

See accompanying notes to consolidated financial statements.

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**  
(dollars in thousands)

	Year Ended December 31,		
	2024	2023	2022
Net earnings	\$ 49,192	\$ 73,831	\$ 52,689
Other comprehensive income:			
Currency translation adjustment, net of taxes of \$36, (\$93) and (\$47)	(5,543)	6,684	(8,196)
Unrealized (losses) gains on interest rate swap cash flow hedge, net of taxes of \$0 in all periods	(1,231)	(1,579)	5,655
Unrealized holding gains (losses) on marketable securities arising during the period, net of taxes of \$0 in all periods	2	1	(11)
Change in unfunded SERP liability, net of taxes of (\$465), (\$161) and (\$1,381)	1,582	(597)	4,869
Other comprehensive (loss) income	(5,190)	4,509	2,317
Comprehensive income	\$ 44,002	\$ 78,340	\$ 55,006
Comprehensive income attributable to noncontrolling interest	\$ 484	\$ -	\$ -
Comprehensive income attributable to Bel shareholders	\$ 43,518	\$ 78,340	\$ 55,006

See accompanying notes to consolidated financial statements.

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY AND REDEEMABLE NONCONTROLLING**  
**INTEREST**  
(in thousands, except per share data)

	Retained Earnings	Accumulated Other Comprehensive (Loss) Income	Class A Common Stock	Class A # of Shares	Class B Common Stock	Class B # of Shares	Treasury Stock	Additional Paid-In Capital	Total stockholders' equity	Redeemable Noncontrolling Interest
Balance at December 31, 2021	\$ 187,935	\$ (18,863)	\$ 214	2,145	\$ 1,038	10,377	\$ -	\$ 38,419	\$ 208,743	\$ -
Net earnings	52,689	-	-	-	-	-	-	-	-	-
Dividends declared:										
Class A Common Stock, \$0.24/share	(514)	-	-	-	-	-	-	-	(514)	-
Class B Common Stock, \$0.28/share	(2,922)	-	-	-	-	-	-	-	(2,922)	-
Issuance of restricted common stock	-	-	-	-	33	323	-	(33)	-	-
Forfeiture of restricted common stock	-	-	-	-	(4)	(40)	-	4	-	-
Repurchase of treasury stock	-	-	-	(3)	-	(17)	(349)	-	(349)	-
Foreign currency translation adjustment, net of taxes of (\$47)	-	(8,196)	-	-	-	-	-	-	(8,196)	-
Unrealized gains on interest rate swap cashflow hedge, net of taxes of \$0	-	5,655	-	-	-	-	-	-	5,655	-
Unrealized holding losses on marketable securities, net of taxes of \$0	-	(11)	-	-	-	-	-	-	(11)	-
Stock-based compensation expense	-	-	-	-	-	-	-	2,382	2,382	-
Change in unfunded SERP liability, net of taxes of (\$1,381)	-	4,869	-	-	-	-	-	-	4,869	-
Balance at December 31, 2022	<u>237,188</u>	<u>(16,546)</u>	<u>214</u>	<u>2,142</u>	<u>1,067</u>	<u>10,643</u>	<u>(349)</u>	<u>40,772</u>	<u>262,346</u>	<u>-</u>
Net earnings	73,831	-	-	-	-	-	-	-	73,831	-
Dividends declared:										
Class A Common Stock, \$0.24/share	(512)	-	-	-	-	-	-	-	(512)	-
Class B Common Stock, \$0.28/share	(2,997)	-	-	-	-	-	-	-	(2,997)	-
Issuance of restricted common stock	-	-	-	-	1	10	-	(1)	-	-
Forfeiture of restricted common stock	-	-	-	-	(3)	(31)	-	3	-	-
Repurchase of treasury stock	-	-	-	-	-	(2)	(105)	-	(105)	-
Foreign currency translation adjustment, including writeoff of \$2,724 related to liquidation of foreign subsidiary, net of taxes of (\$93)	-	6,684	-	-	-	-	-	-	6,684	-
Unrealized losses on interest rate swap cashflow hedge, net of taxes of \$0	-	(1,579)	-	-	-	-	-	-	(1,579)	-
Unrealized holding gains on marketable securities, net of taxes of \$0	-	1	-	-	-	-	-	-	1	-
Stock-based compensation expense	-	-	-	-	-	-	-	3,486	3,486	-
Change in unfunded SERP liability, net of taxes of (\$161)	-	(597)	-	-	-	-	-	-	(597)	-
Balance at December 31, 2023	<u>307,510</u>	<u>(12,037)</u>	<u>214</u>	<u>2,142</u>	<u>1,065</u>	<u>10,620</u>	<u>(454)</u>	<u>44,260</u>	<u>340,558</u>	<u>-</u>

(continued)

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY AND REDEEMABLE NONCONTROLLING**  
**INTEREST**  
**(in thousands, except per share data)**

	Retained Earnings	Accumulated Other Comprehensive (Loss) Income	Class A Common Stock	Class A # of Shares	Class B Common Stock	Class B # of Shares	Treasury Stock	Additional Paid-In Capital	Total stockholders' equity	Redeemable Noncontrolling Interest
Acquisition resulting in redeemable noncontrolling interests ("NCI")	-	-	-	-	-	-	-	-	-	72,354
Redemption value adjustment on redeemable NCI	-	-	-	-	-	-	-	-	-	7,748
Net earnings	40,960	-	-	-	-	-	-	-	40,960	484
Dividends declared:										
Class A Common Stock, \$0.24/share	(508)	-	-	-	-	-	-	-	(508)	-
Class B Common Stock, \$0.28/share	(2,931)	-	-	-	-	-	-	-	(2,931)	-
Issuance of restricted common stock	-	-	-	-	6	58	-	(6)	-	-
Forfeiture of restricted common stock	-	-	-	-	(1)	(17)	-	1	-	-
Purchase of common stock	-	-	(2)	(27)	(24)	(236)	(16,053)	26	(16,053)	-
Cancellation of treasury shares	-	-	-	-	-	-	16,507	(16,507)	-	-
Foreign currency translation adjustment, net of taxes of \$36	-	(5,543)	-	-	-	-	-	-	(5,543)	-
Unrealized losses on interest rate swap cash flow hedge, net of taxes of \$0	-	(1,231)	-	-	-	-	-	-	(1,231)	-
Unrealized holding gains on marketable securities, net of taxes of \$0	-	2	-	-	-	-	-	-	2	-
Stock-based compensation expense	-	-	-	-	-	-	-	3,740	3,740	-
Change in unfunded SERP liability, net of taxes of (\$465)	-	1,582	-	-	-	-	-	-	1,582	-
Balance at December 31, 2024	<u>\$345,031</u>	<u>\$ (17,227)</u>	<u>\$ 212</u>	<u>2,115</u>	<u>\$ 1,046</u>	<u>10,425</u>	<u>\$ -</u>	<u>\$ 31,514</u>	<u>\$ 360,576</u>	<u>\$ 80,586</u>

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(dollars in thousands)

	Years Ended December 31,		
	2024	2023	2022
Cash flows from operating activities:			
Net earnings	\$ 49,192	\$ 73,831	\$ 52,689
Adjustments to reconcile net earnings to net cash provided by operating activities:			
Depreciation and amortization	16,457	13,312	14,863
Stock-based compensation	3,740	3,486	2,382
Amortization of deferred financing costs	151	33	34
Deferred income taxes	(6,267)	(3,872)	(4,594)
Unrealized losses (gains) on foreign currency revaluation	1,456	1,356	(278)
Gains on sale/disposal of property, plant and equipment	-	(2,117)	(1,596)
Gain on sale of Czech Republic business	-	(980)	-
Other, net	2,345	(1,037)	1,195
Changes in operating assets and liabilities:			
Accounts receivable	(6,817)	22,500	(20,702)
Unbilled receivables	7,800	5,451	10,031
Inventories	15,121	33,613	(36,592)
Other current assets	(2,357)	(217)	(1,210)
Other assets	5,972	2,971	7,000
Accounts payable	139	(22,745)	1,522
Accrued expenses	(7,068)	5,356	10,933
Accrued restructuring costs	215	(1,228)	6,784
Other liabilities	(5,006)	(16,388)	(4,162)
Income taxes payable	(1,009)	(4,976)	1,958
Net cash provided by operating activities	<u>74,064</u>	<u>108,349</u>	<u>40,257</u>
Cash flows from investing activities:			
Purchase of property, plant and equipment	(14,108)	(12,126)	(8,832)
Purchases of held to maturity U.S. Treasury securities	(131,309)	(59,992)	-
Proceeds from held to maturity securities	167,907	19,918	-
Payment for equity method investment	-	(10,282)	-
Investment in related party notes receivable	(785)	(2,152)	-
Proceeds from disposal/sale of property, plant and equipment	883	6,036	1,833
Acquisition of business, net of cash acquired	(320,481)	-	-
Proceeds from sale of business	-	5,063	-
Net cash used in investing activities	<u>(297,893)</u>	<u>(53,535)</u>	<u>(6,999)</u>

(continued)

**BEL FUSE INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS (Continued)**  
(dollars in thousands)

	Year Ended December 31,		
	2024	2023	2022
Cash flows from financing activities:			
Dividends paid to common shareholders	(3,453)	(3,492)	(3,413)
Purchase of treasury stock	(16,053)	(105)	(349)
Deferred financing costs	(1,736)	-	-
Borrowings under revolving line of credit	242,500	5,000	-
Repayments under revolving line of credit	(15,000)	(40,000)	(17,500)
Net cash provided by (used in) financing activities	<u>206,258</u>	<u>(38,597)</u>	<u>(21,262)</u>
Effect of exchange rate changes on cash	(3,547)	2,888	(3,486)
Net (decrease) increase in cash and cash equivalents	(21,118)	19,105	8,510
Cash and cash equivalents - beginning of year	89,371	70,266	61,756
Cash and cash equivalents - end of year	<u>\$ 68,253</u>	<u>\$ 89,371</u>	<u>\$ 70,266</u>
Supplemental cash flow information:			
Cash paid during the year for:			
Income taxes, net of refunds received	<u>\$ 22,952</u>	<u>\$ 25,056</u>	<u>\$ 14,618</u>
Interest payments	<u>\$ 5,795</u>	<u>\$ 4,729</u>	<u>\$ 3,371</u>
Redeemable noncontrolling interest assumed in exchange for acquired net assets	<u>\$ 72,354</u>	<u>\$ -</u>	<u>\$ -</u>
ROU assets obtained in exchange for lease obligations	<u>\$ 6,870</u>	<u>\$ 5,999</u>	<u>\$ 8,052</u>

See accompanying notes to consolidated financial statements.

BEL FUSE INC. AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

AS OF AND FOR THE YEARS ENDED DECEMBER 31, 2024, 2023 AND 2022

1. DESCRIPTION OF BUSINESS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Bel Fuse Inc. and subsidiaries ("Bel," the "Company," "we," "us," and "our") design, manufacture and market a broad array of products that power, protect and connect electronic circuits. These products are used around the world, primarily in the defense, commercial aerospace, networking, telecommunications, computing, general industrial, high-speed data transmission, transportation and eMobility industries. Bel's portfolio of products also finds application in the automotive, medical, broadcasting and consumer electronics markets. We manage our operations by product group through our reportable operating segments, Power Solutions and Protection, Connectivity Solutions and Magnetic Solutions.

All amounts included in the tables to these notes to consolidated financial statements, except per share amounts, are in thousands.

Principles of Consolidation - The consolidated financial statements include all of the accounts of the Company and its wholly owned subsidiaries. In accordance with the guidance under ASC Topic 810 "*Consolidations*", while the Company only owns an 80% interest in Enercon, the accompanying consolidated financial statements include 100% of Enercon's financial activity since the effective date of the acquisition. The redeemable noncontrolling interest is reported in the mezzanine (temporary equity) section of the accompanying consolidated balance sheet at December 31, 2024. All intercompany transactions and balances have been eliminated in consolidation.

Reclassifications - Certain prior year amounts in the consolidated financial statements have been reclassified to conform to the current year presentation.

Estimates and Uncertainties - The preparation of the consolidated financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities. On an ongoing basis, we evaluate our estimates, including but not limited to those related to product returns, provisions for bad debt, inventories, goodwill, intangible assets, investments, Supplemental Executive Retirement Plan ("SERP") expense, income taxes, contingencies and litigation. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

Cash, Cash Equivalents and Investments - Cash equivalents include short-term investments in money market funds and certificates of deposit with an original maturity of three months or less when purchased. Accounts at each U.S. institution are insured by the Federal Deposit Insurance Corporation ("FDIC") up to \$250,000. Substantially all of our U.S. cash and cash equivalents balances are in excess of the FDIC insured limit. The Company periodically invests its excess cash in money market funds and U.S. Treasury Bills. The Company's cash and cash equivalents are placed with high credit quality financial institutions.

The Company has held to maturity securities comprised of U.S. Treasury Bills. These investments are classified as held to maturity as the Company has the intent and ability to hold these investments until they mature. The held to maturity securities mature within the next 12 months. The table below shows the amortized costs, associated gross unrealized gains and associated fair value of the held to maturity securities at December 31, 2024 and 2023:

	December 31, 2024	December 31, 2023
Held to maturity U.S. Treasury securities		
Amortized Cost	\$ 950	\$ 37,548
Gross Unrealized Gain	\$ 26	\$ 103
Fair Value	\$ 977	\$ 37,651

In determining the fair value of the Company's held to maturity U.S. Treasury securities, the Company utilized Level 1 inputs of the market price for comparable securities as of December 31, 2024 and on December 31, 2023.

Allowance for Credit Losses - The Company currently measures the expected credit losses based on our historical credit loss experience. The Company has not experienced significant recent or historical credit losses and is not forecasting any significant credit losses which would require adjustments to our methodology. If current conditions and supportable forecasts indicate that our historical loss experience is not reasonable and no longer supportable, the Company may adjust its historical credit loss experience to reflect these conditions and forecasts. The Company regularly analyzes its significant customer accounts and, when the Company becomes aware of a customer's inability to meet its financial obligations, the Company records a specific reserve for bad debt to reduce the related receivable to the amount the Company reasonably believes is collectible. There were no significant impairment losses related to our receivables in 2024 or 2023.

Effects of Foreign Currency - In non-U.S. locations that are not considered highly inflationary, we translate the non-equity components of our foreign balance sheets at the end of period exchange rates with translation adjustments accumulated within stockholders' equity on our consolidated balance sheets. We translate the statements of operations at the average exchange rates during the applicable period. In connection with foreign currency denominated transactions, including multi-currency intercompany payable and receivable transactions and loans, the Company incurred net realized and unrealized currency exchange (losses) gains of (\$1.9) million, (\$1.4) million and \$0.3 million for the years ended December 31, 2024, 2023 and 2022, respectively, which were included in other expense, net on the consolidated statements of operations.

Concentration of Credit Risk - Financial instruments which potentially subject us to concentrations of credit risk consist principally of accounts receivable and temporary cash investments. We grant credit to customers that are primarily original equipment manufacturers, subcontractors of original equipment manufacturers and distributors based on an evaluation of the customer's financial condition, without requiring collateral. Exposure to losses on receivables is principally dependent on each customer's financial condition. We control our exposure to credit risk through credit approvals, credit limits and monitoring procedures and establish allowances for anticipated losses. See Note 14, "*Segments*," for disclosures regarding significant customers.

Inventories - Inventories are stated at the lower of cost or net realizable value. Material costs are determined by standard costs or weighted average cost, both of which approximate actual costs. Costs related to inventories include raw materials, direct labor and manufacturing overhead which are included in cost of sales on the consolidated statements of operations upon sale.

Revenue Recognition - Revenue is recognized when a customer obtains control of promised goods or services. The amount of revenue recognized reflects the consideration to which the Company expects to be entitled to receive in exchange for these goods and services. Taxes assessed by a governmental authority that are both imposed on and concurrent with a specific revenue-producing transaction, that are collected by the Company from a customer, are excluded from revenue. Shipping and handling costs associated with outbound freight after control over a product has transferred to a customer are accounted for as a fulfillment cost and are included in cost of sales.

Product Warranties - Warranties vary by product line and are competitive for the markets in which the Company operates. Warranties generally extend for one to three years from the date of sale, providing customers with assurance that the related product will function as intended. The Company reviews its warranty liability quarterly based on an analysis of actual expenses and failure rates accompanied with estimated future costs and projected failure rate trends. Factors taken into consideration when evaluating our warranty reserve are (i) historical claims for each product, (ii) volume increases, (iii) life of warranty, (iv) historical warranty repair costs and (v) other factors. To the extent that actual experience differs from our estimate, the provision for product warranties will be adjusted in future periods. Actual warranty repair costs are charged against the reserve balance as incurred. See Note 12, "*Accrued Expenses*."

Product Returns - We estimate product returns, including product exchanges under warranty, based on historical experience. In general, the Company is not contractually obligated to accept returns except for defective product or in instances where the product does not meet the Company's product specifications. However, the Company may permit its customers to return product for other reasons. In certain instances, the Company would generally require a significant cancellation penalty payment by the customer. The Company estimates such returns, where applicable, based upon management's evaluation of historical experience, market acceptance of products produced and known negotiations with customers. Such estimates are deducted from sales and provided for at the time revenue is recognized. Distribution customers often receive what is referred to as "ship and debit" arrangements, whereby Bel will invoice them at an agreed upon unit price upon shipment of product and a price reduction may be granted if the market price of the product declines after shipment. Distributors may also be entitled to special pricing discount credits, and certain customers are entitled to return allowances based on previous sales volumes. Bel deducts estimates for anticipated credits, refunds and returns from sales each quarter based on historical experience.

Goodwill and Identifiable Intangible Assets - Goodwill represents the excess of the aggregate of the following: (1) consideration transferred, (2) the fair value of any noncontrolling interest in the acquiree and, (3) if the business combination is achieved in stages, the acquisition-date fair value of our previously held equity interest in the acquiree over the net of the acquisition-date amounts of the identifiable assets acquired and the liabilities assumed.

Identifiable intangible assets consist primarily of patents, licenses, trademarks, trade names, customer lists and relationships, non-compete agreements and technology-based intangibles and other contractual agreements. We amortize finite-lived identifiable intangible assets over the shorter of their stated or statutory duration or their estimated useful lives, ranging from 1 to 17 years, on a straight-line basis to their estimated residual values and periodically review them for impairment. Total identifiable intangible assets comprise 24.4% and 8.6% at December 31, 2024 and 2023, respectively, of our consolidated total assets.

We use the acquisition method of accounting for those business combinations in which we acquire 100% of the equity. We do not amortize goodwill or intangible assets with indefinite useful lives. Goodwill and intangible assets with indefinite useful lives are tested for possible impairment annually during the fourth quarter of each fiscal year or more frequently if events or changes in circumstances indicate that the asset might be impaired.

Impairment and Disposal of Long-Lived Assets – For definite-lived intangible assets, such as customer relationships, contracts, intellectual property, and for other long-lived assets, such as property, plant and equipment, whenever impairment indicators are present, we perform a review for impairment. We calculate the undiscounted value of the projected cash flows associated with the asset, or asset group, and compare this estimated amount to the carrying amount. If the carrying amount is found to be greater, we record an impairment loss for the excess of book value over the fair value. In addition, in all cases of an impairment review, we re-evaluate the remaining useful lives of the assets and modify them, as appropriate. At December 31, 2024 and 2023, respectively, a total of \$2.1 million and \$1.3 million of property was classified as assets held for sale (within other current assets) on the accompanying consolidated balance sheet related to properties in the People’s Republic of China (“PRC”) and in 2024, Glen Rock, Pennsylvania, which are being exited in connection with our recent restructuring initiatives related to facility consolidation efforts. These assets have been evaluated for impairment and it was determined that no impairment existed as of December 31, 2024.

For indefinite-lived intangible assets, such as goodwill, trademarks and tradenames, each year and whenever impairment indicators are present, we determine the fair value of the asset and record an impairment loss for the excess of book value over the fair value, if any. During the year ended December 31, 2024, the Company recorded a \$0.4 million impairment charge related to its CUI tradename in connection with a significant change in market conditions due to trade restrictions placed on one of CUI’s large suppliers in the PRC by the U.S. government. In addition, in all cases of an impairment review we re-evaluate whether continuing to characterize the asset as indefinite-lived is appropriate. See Note 5, “*Goodwill and Other Intangible Assets*,” for additional details.

Depreciation - Property, plant and equipment are stated at cost less accumulated depreciation and amortization. Depreciation and amortization are calculated primarily using the straight-line method over the estimated useful life of the asset. The estimated useful lives primarily range from 1 to 33 years for buildings and leasehold improvements, and from 3 to 14 years for machinery and equipment.

Redeemable Noncontrolling Interests - The Company reports noncontrolling interests in the mezzanine (“temporary equity”) section, between liabilities and equity, of the consolidated balance sheets, to the extent that such noncontrolling interests have redemption features, such as a put/call option (which did not qualify for bifurcation), that is redeemable at a fixed or determinable price on a fixed or determinable date at the option of the holder, or upon the occurrence of an event that is not solely within the control of the Company. Due to its redeemable features that are outside the control of the Company, the redeemable noncontrolling interest is and will continue to be reported in the mezzanine section in the consolidated balance sheets for as long as the put option is exercisable by the option holder. The carrying amount of the redeemable noncontrolling interest, initially valued at fair value as part of acquisition accounting, is adjusted each reporting period to equal the greater of the (i) redemption value or (ii) carrying value of the noncontrolling interest, adjusted each reporting period for income or loss attributable to the noncontrolling interest and any distributions made to date. This subsequent valuation method is in accordance with policy elections made by the Company in its accounting for the redeemable noncontrolling interest. The redemption value is calculated based on a pre-determined multiple of trailing twelve-months EBITDA (as defined in the Purchase Agreement as further described in Note 3, “*Acquisition and Divestiture*”). Any measurement adjustments, if applicable, to the redeemable noncontrolling interest are recognized as an adjustment to net earnings attributable to noncontrolling interest on the consolidated statement of operations. Net income attributable to redeemable noncontrolling interests is classified below net income. Earnings per share is determined after the impact of the redeemable noncontrolling interest’s share in net earnings of the Company. Refer to Note 3, “*Acquisition and Divestiture*”, herein for further details related to the redeemable noncontrolling interest.

Derivative Financial Instruments - As part of our risk management strategy, when considered appropriate, the Company uses derivative financial instruments including foreign currency forward contracts and interest rate swap agreements to hedge against certain foreign currency and interest rate exposures. The intent is to mitigate gains and losses caused by the underlying exposures with offsetting gains and losses on the derivative contracts. By policy, Bel does not enter into speculative positions with derivative instruments.

The Company records all derivatives as assets or liabilities on our consolidated balance sheets at their fair values. Gains and losses from the changes in values of these derivatives are accounted for based on the use of the derivative and whether it qualifies for hedge accounting. The Company's interest rate swaps and foreign currency forward contracts related to the Chinese renminbi (both further described in Note 13, "*Derivative Instruments and Hedging Activities*") have been designated as cash flow hedges and as such, gains/losses are recorded in accumulated other comprehensive loss ("AOCL") until such time the hedged item affects earnings.

The counterparties to our derivative financial instruments consist of several major international financial institutions. We regularly monitor the financial strength of these institutions. While the counterparties to these contracts expose us to the potential risk of credit-related losses in the event of a counterparty's non-performance, the risk would be limited to the unrealized gains on such affected contracts.

Income Taxes - We account for income taxes under the asset and liability method, which requires the recognition of deferred tax assets and liabilities for the expected future tax consequences of events that have been included in the consolidated financial statements. Under this method, deferred tax assets and liabilities are determined based on the differences between the financial statement and tax bases of assets and liabilities using enacted tax rates in effect for the year in which the differences are expected to reverse. The effect of a change in tax rates on deferred tax assets and liabilities is recognized in income in the period that includes the enactment date. See Note 10, "*Income Taxes*". We record net deferred tax assets to the extent we believe these assets will more-likely-than-not be realized. In making such determination, we consider all available positive and negative evidence, including future reversals of existing taxable temporary differences, projected future taxable income, tax planning strategies and recent financial operations. We have established valuation allowances for deferred tax assets that are not likely to be realized. In the event we were to determine that we would be able to realize our deferred income tax assets in the future in excess of our net recorded amount, we would adjust the valuation allowance, which would reduce the provision for income taxes. We establish liabilities for tax contingencies when, despite the belief that our tax return positions are fully supported, it is more likely than not that certain positions may be challenged and may not be fully sustained. The tax contingency liabilities are analyzed on a quarterly basis and adjusted based upon changes in facts and circumstances, such as the conclusion of federal and state audits, expiration of the statute of limitations for the assessment of tax, case law and emerging legislation. Our effective tax rate includes the effect of tax contingency liabilities and changes to the liabilities as considered appropriate by management.

Earnings per Share – We utilize the two-class method to report our earnings per share. The two-class method is an earnings allocation formula that determines earnings per share for each class of common stock according to dividends declared and participation rights in undistributed earnings. The Company's Restated Certificate of Incorporation, as amended, states that the Company's Class B common shares, par value \$0.10 per share (the "Class B common stock," "Class B common shares" or "Class B shares"), are entitled to dividends at least 5% greater than dividends paid to Class A common shares, par value \$0.10 per share (the "Class A common stock," "Class A common shares" or "Class A shares," and collectively with the Class B common stock, the "common stock" or the "common shares"), resulting in the two-class method of computing earnings per share. In computing earnings per share, the Company has allocated dividends declared to Class A and Class B shares based on amounts actually declared for each class of stock and 5% more of the undistributed earnings have been allocated to Class B shares than to the Class A shares on a per share basis. Basic earnings per common share are computed by dividing net earnings by the weighted-average number of common shares outstanding during the period. Diluted earnings per common share, for each class of common stock, are computed by dividing net earnings by the weighted-average number of common shares and potential common shares outstanding during the period. There were no potential common shares outstanding during the years ended December 31, 2024, 2023 or 2022 which would have had a dilutive effect on earnings per share.

The earnings and weighted average shares outstanding used in the computation of basic and diluted earnings per share are as follows:

	Years Ended December 31,		
	2024	2023	2022
<b>Numerator:</b>			
Net earnings attributable to Bel shareholders	\$ 40,960	\$ 73,831	\$ 52,689
Less dividends declared:			
Class A	508	512	514
Class B	2,931	2,997	2,922
Undistributed earnings	<u>\$ 37,521</u>	<u>\$ 70,322</u>	<u>\$ 49,253</u>
<b>Undistributed earnings allocation:</b>			
Class A undistributed earnings	\$ 6,064	\$ 11,318	\$ 8,084
Class B undistributed earnings	31,457	59,004	41,169
Total undistributed earnings	<u>\$ 37,521</u>	<u>\$ 70,322</u>	<u>\$ 49,253</u>
<b>Net earnings allocation:</b>			
Class A net earnings	\$ 6,572	\$ 11,830	\$ 8,598
Class B net earnings	34,388	62,001	44,091
Net earnings	<u>\$ 40,960</u>	<u>\$ 73,831</u>	<u>\$ 52,689</u>
<b>Denominator:</b>			
Weighted average shares outstanding:			
Class A	2,124	2,142	2,143
Class B	<u>10,491</u>	<u>10,634</u>	<u>10,394</u>
<b>Net earnings per share attributable to Bel shareholders:</b>			
Class A	<u>\$ 3.10</u>	<u>\$ 5.52</u>	<u>\$ 4.01</u>
Class B	<u>\$ 3.28</u>	<u>\$ 5.83</u>	<u>\$ 4.24</u>

**Research and Development ("R&D")** - Our engineering groups are strategically located around the world to facilitate communication with and access to customers' engineering personnel. This collaborative approach enables partnerships with customers for technical development efforts. On occasion, we execute non-disclosure agreements with our customers to help develop proprietary, next generation products destined for rapid deployment. R&D costs are expensed as incurred, and are shown as a separate line within operating expenses on the consolidated statements of operations. Generally, R&D is performed internally for the benefit of the Company. R&D costs include salaries, building maintenance and utilities, rents, materials, administration costs and miscellaneous other items. R&D expenses for the years ended December 31, 2024, 2023 and 2022 amounted to \$23.6 million, \$22.5 million and \$20.2 million, respectively.

**Fair Value Measurements** - We utilize the accounting guidance for fair value measurements and disclosures for all financial assets and liabilities and nonfinancial assets and liabilities that are recognized or disclosed at fair value in the consolidated financial statements on a recurring basis or on a nonrecurring basis during the reporting period. The fair value is an exit price, representing the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants based upon the best use of the asset or liability at the measurement date. The Company utilizes market data or assumptions that market participants would use in pricing the asset or liability. We classify our fair value measurements based on the lowest level of input included in the established three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value. These tiers are defined as follows:

**Level 1** - Observable inputs such as quoted market prices in active markets

**Level 2** - Inputs other than quoted prices in active markets that are either directly or indirectly observable

**Level 3** - Unobservable inputs about which little or no market data exists, therefore requiring an entity to develop its own assumptions

For financial instruments such as cash and cash equivalents, accounts receivable, accounts payable and accrued expenses, the carrying amount approximates fair value because of the short maturities of such instruments. See Note 6, "Fair Value Measurements," for additional disclosures related to fair value measurements.

## Recently Issued Accounting Standards

### **Recently Adopted Accounting Standards**

In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures*, which requires a public entity to disclose significant segment expenses and other segment items on an annual and interim basis and provide in interim periods all disclosures about a reportable segment's profit or loss and assets that are currently required annually. Additionally, it requires a public entity to disclose the title and position of the Chief Operating Decision Maker (CODM). The ASU does not change how a public entity identifies its operating segments, aggregates them, or applies the quantitative thresholds to determine its reportable segments. In the fourth quarter of 2024, the Company adopted this guidance and applied the amendments retrospectively to all prior periods presented in the accompanying financial statements. This adoption only impacted our disclosures and did not have any impact to our results of operations, cash flows and financial condition. See Note 14, "Segments", for applicable reportable segment disclosures required by this guidance.

In March 2020, the FASB issued ASU 2020-04, *Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting*. ASU 2020-04 provides temporary optional guidance on contract modifications and hedge accounting to ease the financial reporting burdens of the market transition from the London Interbank Offered Rate ("LIBOR") to alternative reference rates. In January 2021, the FASB issued ASU 2021-01, which refined the scope of Topic 848 and clarified some of its guidance as part of the FASB's monitoring of global reference rate activities. This updated guidance was effective upon issuance, and the Company was initially allowed to elect to apply the amendments prospectively through December 31, 2022. In December 2022, the FASB issued ASU 2022-06, *Reference Rate Reform (Topic 848), Deferral of the Sunset Date of Topic 848*, which extended the date by which companies could elect to apply the amendments to December 31, 2024. During January 2023, the Company amended its credit agreement and related interest rate swap agreements to transition the reference rate from LIBOR to a Secured Overnight Financing Rate ("SOFR") effective January 31, 2023. In connection with these amendments, the Company adopted ASU 2020-04 in the first quarter of 2023 and elected to apply the relevant practical expedients within the guidance. The adoption of this guidance did not have a material impact on the Company's consolidated financial statements.

In June 2016, the FASB issued ASU 2016-13, *Financial Instruments Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments*, as amended. The new guidance broadens the information that an entity must consider in developing its expected credit loss estimates related to its financial instruments and adds to U.S. GAAP an impairment model that is based on expected losses rather than incurred losses. On January 1, 2023, the Company adopted ASU 2016-13. The adoption of this standard did not have a material impact on the Company's consolidated financial statements.

### **Accounting Standards Issued But Not Yet Adopted**

In December 2023, the FASB issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures*, which focuses on the rate reconciliation and income taxes paid. ASU 2023-09 requires a public business entity (PBE) to disclose, on an annual basis, a tabular rate reconciliation using both percentages and currency amounts, broken out into specified categories with certain reconciling items further broken out by nature and jurisdiction to the extent those items exceed a specified threshold. In addition, all entities are required to disclose income taxes paid, net of refunds received disaggregated by federal, state/local, and foreign and by jurisdiction if the amount is at least 5% of total income tax payments, net of refunds received. For PBEs, the new standard is effective for annual periods beginning after December 15, 2024, with early adoption permitted. An entity may apply the amendments in this ASU prospectively by providing the revised disclosures for the period ending December 31, 2025 and continuing to provide the pre-ASU disclosures for the prior periods, or may apply the amendments retrospectively by providing the revised disclosures for all periods presented. We expect this ASU to only impact our disclosures with no impacts to our results of operations, cash flows, and financial condition.

In November 2024, the FASB issued ASU 2024-03, *Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses*, which is intended to improve disclosures about a public business entity's expenses and address requests from investors for more detailed information about the types of expenses in commonly presented expense captions. Such information should allow investors to better understand an entity's performance, assess future cash flows, and compare performance over time and with other entities. The amendments will require public business entities to disclose in the notes to the financial statements, at each interim and annual reporting period, specific information about certain costs and expenses, including purchases of inventory, employee compensation, depreciation, and intangible asset amortization included in each expense caption presented on the face of the income statement, and the total amount of an entity's selling expenses. The amendments are effective for annual reporting periods beginning after December 15, 2026, and interim reporting periods beginning after December 15, 2027, and may be applied either prospectively or retrospectively. Early adoption is permitted. The Company is currently evaluating the impact of adopting this guidance on the consolidated financial statements.

## 2. INVESTMENT IN INNOLECTRIC

On February 1, 2023, the Company closed on a noncontrolling (one-third) investment in Germany-based innoelectric AG (“innoelectric”) for consideration of €8.0 million (approximately \$8.8 million as of the February 2023 closing). Transaction costs associated with the Company's investment in innoelectric amounted to \$1.3 million and these costs have been recorded as part of the carrying value of the investment. Under the terms of the investment agreement, if innoelectric achieves certain EBITDA thresholds within a specified timeframe, the Company would be committed to acquiring the remaining shares of innoelectric at that time. The accompanying consolidated balance sheet reflects the fair value as of the February 2023 closing of the initial one-third equity method investment, inclusive of transaction costs, of \$11.0 million, and a separate liability of \$1.0 million associated with the net fair value of the put and call options related to the remaining shares pursuant to the agreement in the event certain profitability thresholds are met.

This passive investment creates a strategic alliance that is focused on Electric Vehicles (“EV”) on-board power electronics, and in particular next generation fast-charging technology. With no product overlap, this relationship expands the Bel eMobility Power portfolio, further enhancing Bel's competitive position in this emerging field. Our investment in innoelectric is accounted for using the equity method and we have determined that the innoelectric investment is not a variable interest entity (VIE). Results from this investment have been included in Bel's Power Solution and Protection segment within other expense, net and amounted to losses of \$0.6 million and \$0.8 million during the years ended December 31, 2024 and 2023, respectively. The Company adopted a policy to record its share of innoelectric's results on a one-month lag on a consistent basis to allow time for innoelectric to provide its financial statements to Bel.

### Related Party Transactions

From time to time, the Company provides cash loans to innoelectric to fund working capital needs and further business development. At December 31, 2024 and 2023, the Company had related party loans to innoelectric in the aggregate amount of €2.8 million (approximately \$2.9 million at the December 31, 2024 exchange rate), and €2.0 million (approximately \$2.1 million at the December 31, 2023 exchange rate), respectively. These loans bear interest at a rate of 5% per annum. These balances are shown as a related-party note receivable on the accompanying consolidated balance sheets at December 31, 2024 and 2023.

## 3. ACQUISITION AND DIVESTITURE

### **Acquisition of Enercon**

On November 14, 2024, the Company closed on its acquisition of its majority 80% stake in Enercon Technologies, Ltd. (“Enercon”), pursuant to the terms of the Share Purchase Agreement, dated as of September 19, 2024 (the “Purchase Agreement”), by and among the Company, Enercon, and FF3 Holdings, L.P., for itself and as Sellers' Representative (“FF3”), and each of the other seller parties signatory thereto (collectively with FF3, the “Sellers”). Enercon is a leading supplier of highly customized power conversion and networking solutions to aerospace and defense markets globally, providing robust and reliable solutions across air, land and sea applications. Enercon is based in Netanya, Israel with additional facilities in New Hampshire, U.S. and Haryana, India.

Under the terms of the Purchase Agreement, on the November 14, 2024 closing date (and deemed effective solely for accounting purposes as of November 1, 2024), Bel acquired from the Sellers 80% of the issued and outstanding share capital of Enercon on a fully-diluted basis for (i) a cash purchase price of \$320 million (subject to customary adjustments), plus (ii) up to \$10 million in potential earnout payments for the 2025-2026 period (the “Earnout Payments”), as further described below (the “Transaction” or the “acquisition”). Bel may acquire the remaining 20% stake in Enercon and has the current intention to so purchase such remaining interest by early 2027 in accordance with the terms and subject to the conditions of a shareholders' agreement, which was also entered into on November 14, 2024.

At the closing, Bel paid an aggregate of approximately \$325.6 million in cash in respect of the cash purchase price (after giving effect to estimated adjustments taken at closing including for Enercon's cash, indebtedness, net working capital and unpaid transaction costs, and subject to further adjustment post-closing). Bel funded the closing of the Transaction through cash on hand of approximately \$85.6 million and with approximately \$240 million provided through incremental borrowings under the Company's revolving credit facility, as amended in connection with the Transaction.

The potential Earnout Payments may become payable of up to \$5 million for each of the fiscal 2025 and fiscal 2026 earnout periods (each, an “Earnout Period”), subject to Enercon's achievement of certain specified EBITDA targets for each respective Earnout Period, as calculated and determined in accordance with the Purchase Agreement. In the event that (i) the target for the respective Earnout Period has been achieved, the full \$5 million Earnout Payment for the Earnout Period shall be payable, or (ii) achievement for the respective Earnout Period is at least 90% of the target level but less than 100% of the target level, then the amount payable in respect of the Earnout Payment for such Earnout Period shall be \$2.5 million. In the event that achievement for the respective Earnout Period is less than 90% of the target level, no Earnout Payment shall be due for such period.

During the year ended December 31, 2024, the Company incurred \$12.9 million of acquisition-related costs associated with the Transaction primarily for investment banker fees, legal fees, audit-related fees and other consulting costs. These costs are included in selling, general and administrative expenses on the consolidated statements of operations.

#### Fair Value Estimate of Assets Acquired and Liabilities Assumed

With respect to the acquisition of Enercon, we are continuing our review of our fair value estimate of assets acquired and liabilities assumed during the measurement period, which will conclude as soon as we receive the information we are seeking about facts and circumstances that existed as of the acquisition date, or learn that more information is not available. This measurement period will not exceed one year from the acquisition date. At the effective date of the acquisition, the assets acquired and liabilities assumed are generally required to be measured at fair value.

Our fair value estimate of assets acquired and liabilities assumed is pending completion of several elements, including the finalization of an independent appraisal and valuations of fair value of the assets acquired and liabilities assumed and final review by our management. The primary areas that are not yet finalized relate to the tangible assets acquired and liabilities assumed, the valuation of property and equipment, the valuation of intangible assets acquired, operating leases, contingent liabilities and income taxes. Accordingly, there could be material adjustments to our consolidated financial statements, including changes to our depreciation and amortization expense related to the valuation of property and equipment and intangible assets acquired and their respective useful lives among other adjustments. The Company expects to finalize these valuations and complete the purchase price allocation as soon as practicable but no later than one year from the acquisition date.

The following table depicts the Company's current preliminary estimates of the acquisition date fair values of the consideration paid, identifiable net assets acquired and goodwill:

	Preliminary Acquisition Date Fair Values (as adjusted)	
Cash	\$ 3,590	
Accounts receivable	21,088	
Inventories	42,271	(a)
Other current assets	4,144	
Property, plant and equipment	9,357	(b)
Intangible assets	189,700	(c)
Other assets	3,496	
Total identifiable assets	<u>273,646</u>	
Accounts payable	9,585	
Accrued expenses	6,670	
Other current liabilities	5,104	
Noncurrent liabilities	30,522	(d)
Total liabilities assumed	<u>51,881</u>	
Net identifiable assets acquired	221,765	
Goodwill	182,905	(e)
Net assets acquired	<u>\$ 404,670</u>	
Cash paid	324,071	
Fair value of contingent consideration	3,300	
Fair value of noncontrolling interest	72,354	(f)
Fair value of seller note	4,945	(g)
Fair value of consideration transferred	<u>404,670</u>	
Deferred consideration	(80,599)	
Total consideration paid	<u>\$ 324,071</u>	

- (a) The inventories noted include an estimated step-up in fair value of \$2.4 million.
- (b) The property, plant and equipment noted above includes a \$3.7 million step-up based on estimated acquisition-date fair value.
- (c) The preliminary fair value of identifiable intangible assets related to Enercon is shown in the table below. For those intangible assets with finite lives, the acquisition-date fair values will be amortized over their respective estimated future lives utilizing the straight-line method.

	Acquisition Date Fair Value	Weighted Average Amortization Period
Trademarks	\$ 21,900	Indefinite
Customer relationships	130,300	17 years
Technology	37,500	15 years
Total intangible assets acquired	<u>\$ 189,700</u>	

- (d) Deferred taxes have been established on the previously-mentioned step-ups for inventories, property, plant and equipment and intangible assets.
- (e) The goodwill is identifiable to the Power Solutions and Protection reportable segment and is attributable to expected synergies from combining operations, as well as intangible assets that do not qualify for separate recognition. The amount of goodwill is provisional as of the filing date, as the fair value determination of inventories acquired, and appraisals related to property, plant and equipment, various intangible assets and certain liabilities such as lease liabilities is still under review. All goodwill will be deductible for tax purposes over a period of 15 years.
- (f) In connection with its acquisition of Enercon, the Company recorded a redeemable noncontrolling interest which was initially recorded at a fair value of \$72.4 million as of the acquisition date utilizing the Monte Carlo simulation. Inputs to this valuation approach included the projected EBITDA (as defined in the Purchase Agreement) for fiscal year 2026, a market price risk adjustment for the EBITDA of 8.4%, an EBITDA volatility measure of 51% and a forward rate of 4.08%.
- (g) In connection with its acquisition of Enercon, the Company assumed a related party loan payable to FF3 in the amount of \$4.9 million.

The results of operations of Enercon have been included in the Company's consolidated financial statements for the period from November 1, 2024 through December 31, 2024. The activity between the accounting effective date of November 1, 2024 and the legal close date of November 14, 2024 was not material to Bel's financial statements. During the year ended December 31, 2024, Enercon contributed revenue of \$20.8 million and net earnings of approximately \$1.0 million to the Company's consolidated financial results.

The following unaudited pro forma information presents a summary of the combined results of operations of the Company and the results of Enercon for the periods presented as if the Transaction had occurred on January 1, 2023, along with certain pro forma adjustments. These pro forma adjustments give effect to the amortization of certain definite-lived intangible assets, adjusted depreciation based upon estimated fair value of assets acquired, interest expense and amortization of deferred financing costs related to the financing of the acquisition, and related tax effects. The 2023 unaudited pro forma net earnings were adjusted to include an estimated non-recurring expense related to a fair value adjustment to acquisition-date inventory of \$2.4 million (\$1.8 million after tax) during the year ended December 31, 2023. The pro forma results do not reflect the realization of any potential cost savings, or any related integration costs. Certain cost savings may result from these acquisitions; however, there can be no assurance that these cost savings will be achieved. The pro forma results also exclude the impact of any change in the redemption value of the noncontrolling interest. The unaudited pro forma results are presented for illustrative purposes only and are not necessarily indicative of the results that would have actually been obtained if the acquisitions had occurred on the assumed dates, nor is the pro forma data intended to be a projection of results that may be obtained in the future:

	Year Ended December 31,	
	2024	2023
Revenue, net	\$ 632,130	\$ 735,522
Net earnings	56,154	56,448
Less: Net earnings attributable to non-controlling interest	4,131	1,176
Net earnings attributable to Bel Fuse	<u>52,023</u>	<u>55,272</u>
Earnings per Class A common share - basic and diluted	<u>3.94</u>	<u>4.13</u>
Earnings per Class B common share - basic and diluted	<u>4.16</u>	<u>4.37</u>

During 2024, the acquisition of Enercon resulted in a noncontrolling interest holder who is entitled to a put option, giving the Sellers the ability to put their redeemable interest in the shares of the acquiree to the Company. Specifically, if exercised by the noncontrolling interest holder, the Company would be required to purchase the remaining 20% of the Seller's redeemable interest, at a redemption price during specified time period(s) stipulated in the Enercon acquisition agreement. Upon acquisition, the redeemable noncontrolling interest was initially valued at a fair value of \$72.4 million. The redeemable noncontrolling interest recorded on the accompanying consolidated balance sheet at December 31, 2024 will remain in temporary equity until the applicable put-call option is either fully exercised or expires. At December 31, 2024, the redeemable noncontrolling interest was adjusted to reflect its redemption value of \$80.6 million. The redemption value of the redeemable noncontrolling interest is generally calculated using Level 3 unobservable inputs based on a multiple of earnings. A rollforward of the redeemable noncontrolling interest for the year ended December 31, 2024 is included in the accompanying consolidated statements of stockholders' equity and redeemable noncontrolling interest.

### Sale of Czech Republic Business

On June 1, 2023, the Company completed its divestment of Bel Stewart s.r.o., a former subsidiary in the Czech Republic which has historically been reported within Bel's Connectivity Solutions segment. The business was sold to PEI Genesis ("PEI") for total consideration of \$5.1 million, subject to working capital adjustments. The divestiture of this non-core business was a strategic decision which allows the Connectivity Solutions segment to focus on its main product categories serving customer end markets such as commercial air, defense, industrial and networking which better align with its long-term growth objectives.

The carrying amounts of the major classes of assets and liabilities included as part of the sale were as follows:

	Total
Cash and cash equivalents	\$ 2,072
Accounts receivable	1,030
Inventories	1,310
Property, plant and equipment	326
Other assets	48
Accounts payable	(441)
Accrued expenses	(126)
Income taxes payable	(100)
Other current liabilities	(13)
Other long-term liabilities	(23)
Total net assets transferred	4,083
Consideration received	5,063
Gain on sale recognized	\$ 980

## 4. REVENUE

### Nature of Goods and Services

Our revenues are substantially derived from sales of our products.

In our Power Solutions and Protection product group, we provide AC/DC and DC/DC power conversion devices and circuit protection products. Applications range from board-mount power to system-level architectures for servers, storage, networking, industrial, transportation, commercial aerospace and defense applications.

In our Connectivity Solutions product group, we provide connectors and cable assemblies to the aerospace, military/defense, commercial, rugged harsh environment and communication markets. This group also includes passive jacks, plugs and cable assemblies that provide connectivity in networking equipment, as well as modular plugs and cable assemblies used within the structured cabling system, known as premise wiring.

In our Magnetic Solutions product group, we provide an extensive line of integrated connector modules (ICM), where an Ethernet magnetic solution is integrated into a connector package. Products within the Company's Magnetic Solutions group are primarily used in networking and industrial applications.

The Company also provides incremental services to our customers in the form of training, highly-customized product development services, technical support, special tooling, and other support as deemed necessary from time to time. For purposes of ASC 606, all such incremental services were concluded to be immaterial in the context of the contracts.

## Types of Contracts

Substantially all of the Company's revenue is derived from contracts with its customers under one of the following types of contracts:

- **Direct with customer:** This includes contracts with original equipment manufacturers (OEMs), original design manufacturers (ODMs), and contract manufacturers (CMs). The nature of Bel's products are such that they represent components which are installed in various end applications (e.g., servers, aircraft, missiles and rail applications). The OEMs, ODMs or CMs that purchase our product for further installation are our end customers. Contracts with these customers are broad-based and cover general terms and conditions. Details such as order volume and pricing are typically contained in individual purchase orders, and as a result, we view each product on each purchase order as an individual performance obligation. Incremental services included in the contracts, such as training, highly-customized product development services, tooling and other customer support are determined to be immaterial in the context of the contract, both individually and in the aggregate. Revenue under these contracts is generally recognized at a point in time, generally upon shipping or delivery, which closely mirrors the shipping terms dictated by the applicable contract.
- **Distributor:** Distribution customers buy product directly from Bel and sell it in the marketplace to end customers. Bel contracts directly with the distributor. These contracts are typically global in nature and cover a variety of our product groups. Similar to contracts with OEMs, ODMs and CMs, each product on each purchase order is considered an individual performance obligation. Revenue is recognized at a point in time, generally upon shipping or delivery, which closely mirrors the shipping terms dictated by the applicable contract.
- **Customer-Designated Hub Arrangements:** These customers operate under a type of concession agreement whereby the Company ships goods to a warehouse or hub, where they will be pulled by the customer at a later date. The terms specified in the customer-designated hub contracts specify that the Company will not invoice the customer for product until it is pulled from the warehouse or hub. Once product arrives at the hub, it is generally not returned to Bel unless there is a warranty issue (see Note 1, "*Description of Business and Summary of Significant Accounting Policies - Product Warranties*" above). Similar to the contracts described above, each product on each purchase order is considered an individual performance obligation. Under ASC 606, it was determined that the majority of these hubs are customer-controlled, and therefore control transfers to the customer upon either delivery from Bel's warehouse, or arrival at the customer-controlled hub, depending upon the applicable shipping terms. Revenue is therefore recognized as control of the product is transferred to the customer (for customer-controlled hubs, this is at the time product is shipped to the hub). The accompanying consolidated balance sheet reflects a corresponding unbilled receivable balance, as we do not have the right to invoice the customer until product is pulled from the hub.
- **Licensing Agreements:** License agreements are only applicable to our Power Solutions and Protection product group, and include provisions for Bel to receive sales-based royalty income related to the licensing of Bel's patents or other intellectual property (IP) utilized by a third-party entity. Income related to these agreements is tracked by the licensee throughout the year based on their sales of product that utilize Bel's IP, and that data is reported to Bel either on a quarterly or annual basis, with payment generally received within 30 days of the reporting date. Our performance obligation is satisfied upon delivery of the IP at the beginning of the license period, as the licenses are functional in nature. However, the recognition of revenue associated with these licenses is subject to the sales- or usage-based constraint on variable consideration. As such, the Company records a constrained estimate of this variable consideration as royalty income in the period of the underlying customers' product sales, with adjustments made as actual licensee sales data becomes available.

## Significant Payment Terms

Contracts with customers indicate the general terms and conditions in which business will be conducted for a set period of time. Individual purchase orders state the description, quantity and price of each product purchased. Payment for products sold under direct contracts with customers or contracts with distributors is typically due in full within 30-90 days from the transfer of title to the customer. Payment for products sold under our customer-designated hub arrangements is typically due within 60 days of the customer pulling the product from the hub. Payment due related to our licensing agreements is generally within 30 days of receiving the licensee sales data, which is either on a quarterly or annual basis.

Since the customer agrees to a stated price for each product on each purchase order, the majority of contracts are not subject to variable consideration. However, the "ship and debit" arrangements with distributors, royalty income associated with our licensing agreements, and the product returns described above are each deemed to be variable consideration which requires the Company to make constrained estimates based on historical data.

## Disaggregation of Revenue

The following table provides information about disaggregated revenue by geographic region and sales channel, and includes a reconciliation of the disaggregated revenue to our reportable segments:

Year Ended December 31, 2024				
	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Consolidated
<b>By Geographic Region:</b>				
North America	\$ 161,496	\$ 172,477	\$ 28,187	\$ 362,160
EMEA	57,010	42,581	4,700	104,291
Asia	27,045	5,312	35,984	68,341
	<u>\$ 245,551</u>	<u>\$ 220,370</u>	<u>\$ 68,871</u>	<u>\$ 534,792</u>
<b>By Sales Channel:</b>				
Direct to customer	\$ 170,357	\$ 138,377	\$ 49,047	\$ 357,781
Through distribution	75,194	81,993	19,824	177,011
	<u>\$ 245,551</u>	<u>\$ 220,370</u>	<u>\$ 68,871</u>	<u>\$ 534,792</u>
Year Ended December 31, 2023				
	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Consolidated
<b>By Geographic Region:</b>				
North America	\$ 233,016	\$ 172,518	\$ 42,259	\$ 447,793
EMEA	57,567	32,689	8,263	98,519
Asia	23,522	5,365	64,614	93,501
	<u>\$ 314,105</u>	<u>\$ 210,572</u>	<u>\$ 115,136</u>	<u>\$ 639,813</u>
<b>By Sales Channel:</b>				
Direct to customer	\$ 221,828	\$ 130,893	\$ 86,608	\$ 439,329
Through distribution	92,277	79,679	28,528	200,484
	<u>\$ 314,105</u>	<u>\$ 210,572</u>	<u>\$ 115,136</u>	<u>\$ 639,813</u>
Year Ended December 31, 2022				
	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Consolidated
<b>By Geographic Region:</b>				
North America	\$ 217,381	\$ 141,585	\$ 50,234	\$ 409,200
EMEA	42,121	35,596	10,903	88,620
Asia	28,864	9,904	117,645	156,413
	<u>\$ 288,366</u>	<u>\$ 187,085</u>	<u>\$ 178,782</u>	<u>\$ 654,233</u>
<b>By Sales Channel:</b>				
Direct to customer	\$ 186,439	\$ 112,128	\$ 135,247	\$ 433,814
Through distribution	101,927	74,957	43,535	220,419
	<u>\$ 288,366</u>	<u>\$ 187,085</u>	<u>\$ 178,782</u>	<u>\$ 654,233</u>

## Contract Assets and Contract Liabilities:

A contract asset results when goods or services have been transferred to the customer but payment is contingent upon a future event, other than passage of time. In the case of our customer-controlled hub arrangements, we are unable to invoice the customer until product is pulled from the hub by the customer, which generates an unbilled receivable (a contract asset) when revenue is initially recognized.

A contract liability results when cash payments are received or due in advance of our performance obligation being met. We have certain customers who provide payment in advance of product being shipped, which results in deferred revenue (a contract liability).

The balances of the Company's contract assets and contract liabilities at 2024, 2023, and 2022 are as follows:

	December 31, 2024	December 31, 2023	December 31, 2022
Contract assets - current (unbilled receivables)	\$ 4,994	\$ 12,793	\$ 18,244
Contract liabilities - current (deferred revenue)	\$ 6,120	\$ 3,046	\$ 8,847
Accounts receivable, net	\$ 111,376	\$ 84,129	\$ 107,274

The change in balance of our unbilled receivables from December 31, 2023 to December 31, 2024 primarily relates to a timing difference between the Company's performance (i.e. when our product is shipped to a customer-controlled hub) and the point at which the Company can invoice the customer per the terms of the customer contract (i.e. when the customer pulls our product from the customer-controlled hub). The deferred revenue balance is included within other current liabilities on the accompanying balance sheets.

A tabular presentation of the activity within the deferred revenue account for the year ended December 31, 2024 and December 31, 2023 are presented below:

	Years Ended December 31,	
	2024	2023
Balance, January 1	\$ 3,046	\$ 8,847
New advance payments received	17,551	4,121
Recognized as revenue during period	(14,469)	(9,930)
Currency translation	(8)	8
Balance, December 31	<u>\$ 6,120</u>	<u>\$ 3,046</u>

#### Transaction Price Allocated to Future Obligations:

The aggregate amount of transaction price allocated to remaining performance obligations that have not been fully satisfied as of December 31, 2024 related to contracts that exceed one year in duration amounted to \$16.6 million, with expected contract expiration dates that range largely from 2026 – 2027. It is expected that \$11.0 million of this aggregate amount will be recognized in 2026, \$4.0 million will be recognized in 2027 and the remainder will be recognized in years beyond 2027. The majority of the Company's orders received (but not yet shipped) at December 31, 2024 is related to contracts that have an original expected duration of one year or less, for which the Company is electing to utilize the practical expedient available within the guidance, and are excluded from the transaction price related to these future obligations. The Company will generally satisfy the remaining performance obligations as we transfer control of the products ordered to our customers.

## 5. GOODWILL AND OTHER INTANGIBLE ASSETS

### Goodwill

Goodwill represents the excess of the purchase price and related acquisition costs over the fair value assigned to the net tangible and other intangible assets acquired in a business acquisition. At December 31, 2024 and 2023, the Company's reportable operating segments were as follows:

- **Power Solutions and Protection:** includes the 2012 acquisition of Powerbox Italia, the 2014 acquisition of ABB's Power Solutions business, the 2019 acquisition of the majority of CUI Inc.'s power products business, the 2021 acquisition of EOS, the 2023 equity method investment in innoelectric, the 2024 acquisition of Enercon, in addition to sales and an estimated allocation of expenses related to power products manufactured at Bel sites that are not product group specific.
- **Connectivity Solutions:** includes the 2010 acquisition of Cinch Connectors, the 2012 acquisitions of Fibreco Limited and GigaCom Interconnect, the 2013 acquisition of Array Connector, the 2014 acquisition of Emerson Network Power Connectivity Solutions, the 2021 acquisition of rms Connectors, in addition to sales and an estimated allocation of expenses related to connectivity products manufactured at Bel sites that are not product group specific.

- **Magnetic Solutions:** includes the 2013 acquisition of TE Connectivity's Coil Wound Magnetics business, our Signal Transformer business, in addition to sales and an estimated allocation of expenses related to Bel's ICM and discrete magnetic products that are manufactured at Bel sites that are not product group specific.

The changes in the carrying value of goodwill classified by our segment reporting structure for the year ended December 31, 2024 are as noted in the table below.

	Total	Power Solutions & Protection	Connectivity Solutions	Magnetic Solutions
Balance at January 1, 2023:				
Goodwill, gross	\$ 25,099	\$ 18,152	\$ 6,947	\$ -
Goodwill, net	<u>\$ 25,099</u>	<u>\$ 18,152</u>	<u>\$ 6,947</u>	<u>\$ -</u>
Foreign currency translation	1,543	471	1,072	-
Balance at December 31, 2023:				
Goodwill, gross	\$ 26,642	\$ 18,623	\$ 8,019	\$ -
Goodwill, net	<u>\$ 26,642</u>	<u>\$ 18,623</u>	<u>\$ 8,019</u>	<u>\$ -</u>
Goodwill allocation related to acquisition	\$ 182,905	\$ 182,905	\$ -	\$ -
Foreign currency translation	(1,511)	(1,441)	(70)	-
Balance at December 31, 2024:				
Goodwill, gross	\$ 208,036	\$ 200,087	\$ 7,949	\$ -
Goodwill, net	<u>\$ 208,036</u>	<u>\$ 200,087</u>	<u>\$ 7,949</u>	<u>\$ -</u>

The addition of \$182.9 million of goodwill during the year ended December 31, 2024 related to the Company's acquisition of Enercon, as further discussed in Note 3, "Acquisition and Divestiture". The Company has accumulated impairment charges totaling \$137.5 million, which were incurred under a former segment and reporting unit structure which was in place prior to October 1, 2019.

As discussed in Note 6, "Fair Value Measurements", goodwill is reviewed for impairment on a reporting unit basis annually during the fourth quarter of each year and whenever events or changes in circumstances indicate the carrying value of goodwill may not be recoverable. In testing goodwill for impairment, we may perform both a qualitative assessment and quantitative assessment. For the qualitative test, the assessment is based on a review of general macroeconomic conditions, industry and market conditions, changes in cost factors, overall financial performance (both actual and expected performance) and other reporting unit-specific events such as significant changes in management, customers, litigation or a change in the carrying amount of net assets. If it is determined that a potential impairment may exist, we would proceed with a quantitative assessment. In cases where we elect to perform a quantitative assessment, we estimate the fair value of these reporting units using a weighting of fair values derived from income and market approaches. Under the income approach, we determine the fair value of a reporting unit based on the present value of estimated future cash flows. Cash flow projections are based on management's estimates of revenue growth rates and operating margins, taking into consideration industry and market conditions. The discount rate used is based on a weighted average cost of capital adjusted for the relevant risk associated with the characteristics of the business and the projected cash flows. The market approach estimates fair value based on market multiples of revenue and earnings derived from comparable publicly traded companies with similar operating and investment characteristics as the reporting unit.

#### 2024 Annual Impairment Test

On October 1, 2024, the Company completed a quantitative assessment of our annual goodwill impairment test for our three existing reporting units. We concluded that the fair value of the Company's Power Solutions and Protection (excluding CUI), Connectivity Solutions, and CUI reporting units exceeded the carrying value and that there was no indication of impairment.

The excess of estimated fair values over carrying value, including goodwill for each of our reporting units that had goodwill as of the 2024 annual impairment test were as follows:

Reporting Unit	% by Which Estimated Fair Value Exceeds Carrying Value
Power Solutions and Protection (excluding CUI)	500.5%
Connectivity Solutions	156.0%
CUI	43.6%

### 2023 Annual Impairment Test

Prior to October 1, 2023, the Company's reporting units were Power Europe, Connectivity Europe, CUI and EOS. On October 1, 2023, the Company completed a quantitative assessment of our annual goodwill impairment test for each of the four existing reporting units at that time. We concluded that the fair value of the Company's Connectivity Europe, Power Europe, CUI and EOS reporting units exceeded the carrying value and that there was no indication of impairment. Effective October 1, 2023, in connection with a then-recent shift in how management views and manages the business in light of the consolidation of our ERP systems, recent facility consolidations and other streamlining initiatives at the product group level, the Company changed its reporting unit structure. The Company's new reporting units are Power Solutions and Protection (excluding CUI), CUI, Connectivity Solutions and Magnetic Solutions. The Company performed a qualitative analysis (Step 0) on the new reporting units as of the October 1, 2023 testing date and concluded no impairment existed for the new reporting units at that time.

As noted above, the fair value determined in connection with the goodwill impairment test completed in the fourth quarter of 2024 exceeded the carrying value for each reporting unit. Therefore, there was no impairment of goodwill. However, if the fair value decreases in future periods, the Company may need to complete an interim goodwill impairment test and any potential goodwill impairment charge would be dependent upon the estimated fair value of the reporting unit at that time and the outcome of the impairment test. The fair values of the assets and liabilities of the reporting unit, including the intangible assets, could vary depending on various factors.

The future occurrence of a potential indicator of impairment, such as a decrease in expected net earnings, adverse equity market conditions, a decline in current market multiples, a sustained decrease in the price of our common stock, a significant adverse change in legal factors or business climates, an adverse action or assessment by a regulator, unanticipated competition, strategic decisions made in response to economic or competitive conditions, or a more-likely-than-not expectation that a reporting unit or a significant portion of a reporting unit will be sold or disposed of, could require an interim assessment for some or all of the reporting units before the next required annual assessment. In the event of significant adverse changes of the nature described above, it may be necessary for us to recognize an additional non-cash impairment of goodwill, which could have a material adverse effect on our consolidated financial condition and consolidated results of operations.

### Other Intangible Assets

Other identifiable intangible assets include patents, technology, license agreements, non-compete agreements and trademarks. Amounts assigned to these intangible assets have been determined by management. Management considered a number of factors in determining the allocations, including valuations and independent appraisals. Trademarks have indefinite lives and are reviewed for impairment on an annual basis, or when there is a triggering event. Other intangible assets, excluding trademarks, are being amortized over 1 to 17 years.

The Company tests indefinite-lived intangible assets for impairment using a fair value approach, the relief-from-royalty method (a form of the income approach). At December 31, 2024, the Company's indefinite-lived intangible assets related to the trademarks acquired in the Enercon, CUI, Power Solutions, Connectivity Solutions, Cinch and Fibreco acquisitions.

The components of definite and indefinite-lived intangible assets are as follows:

	December 31, 2024			December 31, 2023		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Patents, licenses and technology	\$ 56,628	\$ 12,589	\$ 44,039	\$ 19,176	\$ 11,386	\$ 7,790
Customer relationships	186,683	36,953	149,730	56,711	32,099	24,612
Trademarks	38,337	158	38,179	17,148	159	16,989
	<u>\$ 281,648</u>	<u>\$ 49,700</u>	<u>\$ 231,948</u>	<u>\$ 93,035</u>	<u>\$ 43,644</u>	<u>\$ 49,391</u>

The increases in gross carrying amounts noted above as of December 31, 2024 related intangibles acquired in connection with the Enercon transaction, as further detailed in Note 3, "Acquisition and Divestiture". Amortization expense was \$6.5 million, \$4.7 million and \$6.0 million during each of 2024, 2023 and 2022 respectively.

Estimated amortization expense for intangible assets for the next five years is as follows:

December 31,	Amortization Expense
2025	\$ 14,760
2026	14,670
2027	14,559
2028	14,559
2029	13,515

#### 2024 and 2023 Impairment Tests

The Company completed its annual indefinite-lived intangible assets impairment test as of October 1, 2024 and October 1, 2023. During the October 1, 2024 testing date, it was concluded that an impairment existed related to the Company's CUI tradename given recent trade restrictions with one of its large suppliers in the PRC. In connection with the trade restriction, and the resulting loss of sales to our customers, the Company recorded a \$0.4 million impairment charge related to the CUI tradename within the Company's Power Solutions and Protection segment during the year ended December 31, 2024. No indication of impairment was evident at the October 1, 2023 test date for the Company's indefinite-lived intangible assets. Management has concluded that the fair value of these trademarks exceeded the related carrying values at December 31, 2024 and December 31, 2023, with no indication of impairment at either date.

## 6. FAIR VALUE MEASUREMENTS

The following tables show the Company's cash, cash equivalents and other marketable and held to maturity securities by significant investment category as of December 31, 2024 and 2023:

	December 31, 2024			
	Carrying value	Fair value	Cash and cash equivalents	Other Current Assets
Cash	\$ 66,917	\$ 66,917	\$ 66,917	\$ -
Level 1:				
Money market funds	1	1	1	-
Money market funds (Rabbi Trust)	566	566	-	566
Subtotal	<u>567</u>	<u>567</u>	<u>1</u>	<u>566</u>
Level 2:				
Certificates of deposit and time deposits	2,938	3,348	1,335	1,602
Subtotal	<u>2,938</u>	<u>3,348</u>	<u>1,335</u>	<u>1,602</u>
Total	<u>\$ 70,422</u>	<u>\$ 70,832</u>	<u>\$ 68,253</u>	<u>\$ 2,168</u>

	December 31, 2023			
	Carrying value	Fair value	Cash and cash equivalents	Other Current Assets
Cash	\$ 57,544	\$ 57,544	\$ 57,544	\$ -
Level 1:				
Money market funds	31,188	31,188	31,188	-
Money market funds (Rabbi Trust)	303	303	-	303
Subtotal	<u>31,491</u>	<u>31,491</u>	<u>31,188</u>	<u>303</u>
Level 2:				
Certificates of deposit and time deposits	3,629	3,926	639	2,990
Subtotal	<u>3,629</u>	<u>3,926</u>	<u>639</u>	<u>2,990</u>
Total	<u>\$ 92,664</u>	<u>\$ 92,961</u>	<u>\$ 89,371</u>	<u>\$ 3,293</u>

As of December 31, 2024 and 2023, our available-for-sale securities primarily consisted of investments held in a rabbi trust which are intended to fund the Company's Supplemental Executive Retirement Plan ("SERP") obligations. These securities are measured at fair value using quoted prices in active markets for identical assets (Level 1) inputs and amounted to \$0.6 million at December 31, 2024 and \$0.3 million at December 31, 2023.

Throughout 2024 and 2023, the Company entered into a series of foreign currency forward contracts, the fair value of which was (\$1.0) million at December 31, 2024 and \$0.5 million at December 31, 2023. The estimated fair value of foreign currency forward contracts is based on quotes received from the applicable counterparty, and represents the estimated amount we would receive or pay to settle the contracts, taking into consideration current exchange rates which can be validated through readily observable data from external sources (Level 2).

The Company is a party to two interest rate swap agreements as further described in Note 13, "Derivative Instruments and Hedging Activities". The fair value of the interest rate swap agreements was \$2.7 million and \$4.0 million at December 31, 2024 and 2023, respectively, which was based on data received from the counterparty, and represents the estimated amount we would receive or pay to settle the agreements, taking into consideration current and projected future interest rates as well as the creditworthiness of the parties, all of which can be validated through readily observable data from external sources.

The fair values of our derivative financial instruments (which are measured using Level 2 fair value inputs) and their classifications in our consolidated balance sheets as of December 31, 2024 and 2023 were as follows:

	Balance Sheet Classification	December 31, 2024	December 31, 2023
<b>Derivative assets:</b>			
Foreign currency forward contracts:			
Designated as cash flow hedges	Other current assets	\$ -	\$ -
Non designated as hedging instruments	Other current assets	-	486
Interest rate swap agreements:			
Designated as a cash flow hedge	Other assets	2,730	3,960
Total derivative assets		<u>\$ 2,730</u>	<u>\$ 4,446</u>
<b>Derivative liabilities:</b>			
Foreign currency forward contracts:			
Designated as cash flow hedges	Other current liabilities	\$ 116	\$ 5
Not designated as hedging instruments	Other current liabilities	919	-
Total derivative liabilities		<u>\$ 1,035</u>	<u>\$ 5</u>

In connection with the acquisition of Enercon as further described in Note 3, "Acquisition and Divestiture", the Sellers are eligible to receive an earnout payment based on the achievement of certain financial metrics in 2025 and 2026. As this contingent consideration will be settled in cash by Bel if the related metrics are achieved, this contingent consideration has been classified as a liability on the accompanying balance sheet at December 31, 2024. The earnout liabilities were initially recorded at a fair value of \$3.3 million at the acquisition date, with subsequent remeasurement to fair value at December 31, 2024 calculated using Level 3 unobservable inputs. At December 31, 2024, inputs to the valuation approach for the contingent earnout liabilities include the Company's forecasted Enercon EBITDA (as defined under the terms of the Purchase Agreement) for each of 2025 and 2026, an estimated EBITDA volatility measure of 52.1%, an expected term of 2 years and a discount rate on the earnout payments of 6.66%. The fair value of the earnout liabilities as of December 31, 2024 and 2023 were as follows:

	Balance Sheet Classification	Level 3	
		December 31, 2024	December 31, 2023
Contingent Liabilities:			
Earnout payment liability - 2025	Other current liabilities	\$ 2,041	\$ -
Earnout payment liability - 2026	Other long-term liabilities	1,446	-
		<u>\$ 3,487</u>	<u>\$ -</u>

Aside from the earnout liability described above, the Company does not have any other financial assets measured at fair value on a recurring basis categorized as Level 3, and there were no transfers in or out of Level 1, Level 2 or Level 3 during 2024 or 2023. There were no changes to the Company's valuation techniques used to measure asset fair values on a recurring or nonrecurring basis during 2024.

During 2024, in connection with the Company's annual impairment test of indefinite-lived intangible assets, the Company adjusted the carrying value associated with the CUI tradename to fair value. Aside from this item, there were no other financial assets accounted for at fair value on a nonrecurring basis as of December 31, 2024 or December 31, 2023.

The Company has other financial instruments, such as cash and cash equivalents, accounts receivable, accounts payable and accrued expenses, which are not measured at fair value on a recurring basis but are recorded at amounts that approximate fair value due to their liquid or short-term nature. The fair value of the Company's long-term debt is estimated using a discounted cash flow method based on interest rates that are currently available for debt issuances with similar terms and maturities. At December 31, 2024 and 2023, the estimated fair value of total debt was \$286.6 million and \$60.0 million, respectively, compared to a carrying amount of \$287.5 million and \$60.0 million, respectively. The Company did not have any other financial liabilities within the scope of the fair value disclosure requirements as of December 31, 2024.

Nonfinancial assets and liabilities, such as goodwill, indefinite-lived intangible assets and long-lived assets, are accounted for at fair value on a nonrecurring basis. These items are tested for impairment upon the occurrence of a triggering event or in the case of goodwill, on at least an annual basis. See Note 5, "Goodwill and Other Intangible Assets," for further information about goodwill and other indefinite-lived intangible assets.

## 7. OTHER ASSETS

At December 31, 2024 and 2023, the Company had obligations of \$18.0 million and \$19.5 million, respectively, associated with its SERP. As a means of informally funding these obligations, the Company has invested in life insurance policies related to certain employees and marketable securities held in a rabbi trust. At December 31, 2024 and 2023, these assets had a combined value of \$17.0 million and \$15.4 million, respectively.

### Company-Owned Life Insurance

Investments in company-owned life insurance policies ("COLI") were made with the intention of utilizing them as a long-term funding source for the Company's SERP obligations. However, the cash surrender value of the COLI does not represent a committed funding source for these obligations. Any proceeds from these policies are subject to claims from creditors. The cash surrender value of the COLI of \$16.4 million and \$15.1 million at December 31, 2024 and 2023, respectively, is included in other assets in the accompanying consolidated balance sheets. The volatility in global equity markets in recent years has also had an effect on the cash surrender value of the COLI policies. The Company recorded income (expense) to account for the increase (decrease) in cash surrender value in the amount of \$1.3 million, \$1.3 million and (\$2.2) million during the years ended December 31, 2024, 2023 and 2022, respectively. These fluctuations are classified as other income (expense), net on the consolidated statements of operations for all periods presented. This classification is consistent with the costs associated with the long-term employee benefit obligations that the COLI is intended to fund.

## Other Investments

At December 31, 2024 and 2023, the Company held, in the aforementioned rabbi trust, available-for-sale investments at a cost of \$0.6 million and \$0.3 million, respectively. Together with the COLI described above, these investments are intended to fund the Company's SERP obligations and are classified as other assets in the accompanying consolidated balance sheets. The Company monitors these investments for impairment on an ongoing basis. At December 31, 2024 and 2023, the fair market value of these investments was \$0.6 million and \$0.3 million, respectively.

## 8. INVENTORIES

The components of inventories are as follows:

	December 31,	
	2024	2023
Raw materials	\$ 74,750	\$ 63,647
Work in progress	53,569	42,038
Finished goods	33,051	30,855
Inventories	<u>\$ 161,370</u>	<u>\$ 136,540</u>

## 9. PROPERTY, PLANT AND EQUIPMENT, NET

Property, plant and equipment, net consist of the following:

	December 31,	
	2024	2023
Land	\$ 115	\$ 348
Buildings and improvements	19,385	15,286
Machinery and equipment	99,747	98,527
Construction in progress	5,243	1,567
	<u>124,490</u>	<u>115,728</u>
Accumulated depreciation	<u>(76,611)</u>	<u>(79,195)</u>
Property, plant and equipment, net	<u>\$ 47,879</u>	<u>\$ 36,533</u>

Depreciation expense for the years ended December 31, 2024, 2023 and 2022 was \$9.9 million, \$8.6 million and \$8.9 million, respectively. At December 31, 2024 and December 31, 2023, a total of \$2.1 million and \$1.3 million, respectively, of property was classified as assets held for sale on the accompanying consolidated balance sheet related to several buildings in Zhongshan, PRC and Glen Rock, Pennsylvania.

## 10. INCOME TAXES

The Company and its subsidiaries file income tax returns in the U.S. federal jurisdiction and various states and foreign jurisdictions. The Company is no longer subject to U.S. federal examinations by tax authorities for years before 2021 and for state examinations before 2018. Regarding foreign subsidiaries, the Company is no longer subject to examination by tax authorities for years before 2014 in Asia and generally 2016 in Europe.

The components of income from operations before income taxes and the provision for income taxes are as follows:

Domestic and foreign income before taxes is as follows:

	Years Ended December 31,		
	2024	2023	2022
Domestic	\$ 29,224	\$ 51,550	\$ 14,215
Foreign	32,584	31,750	44,844
	<u>\$ 61,808</u>	<u>\$ 83,300</u>	<u>\$ 59,059</u>

Federal, state and foreign income tax expense (benefit) consists of the following:

	Years Ended December 31,		
	2024	2023	2022
Current:			
Federal	\$ 11,473	\$ 11,403	\$ 9,175
State	895	975	787
Foreign	6,515	963	1,002
	<u>18,883</u>	<u>13,341</u>	<u>10,964</u>
Deferred:			
Federal	(5,200)	(3,128)	(4,064)
State	(442)	(139)	(255)
Foreign	(625)	(605)	(275)
	<u>(6,267)</u>	<u>(3,872)</u>	<u>(4,594)</u>
	<u>\$ 12,616</u>	<u>\$ 9,469</u>	<u>\$ 6,370</u>

A reconciliation of taxes on income computed at the U.S. federal statutory rate to amounts provided is as follows:

	Years Ended December 31,					
	2024		2023		2022	
	\$	%	\$	%	\$	%
Tax provision computed at the federal statutory rate	\$ 12,980	21%	\$ 17,493	21%	\$ 12,402	21%
Increase (decrease) in taxes resulting from:						
Different tax rates applicable to foreign operations	1,736	3%	(1,697)	(2%)	(1,677)	(3%)
Reversal of liability for uncertain tax positions - net	(1,696)	(3%)	(4,726)	(6%)	(2,515)	(4%)
State taxes, net of federal benefit	(767)	(1%)	(433)	(1%)	292	0%
SERP/COLI and restricted stock income	(1,302)	(2%)	(756)	(1%)	733	1%
Other, net	1,665	3%	(412)	(0%)	(2,865)	(5%)
Tax provision computed at the Company's effective tax rate	<u>\$ 12,616</u>	<u>20%</u>	<u>\$ 9,469</u>	<u>11%</u>	<u>\$ 6,370</u>	<u>11%</u>

As of December 31, 2024 and 2023, the Company has gross foreign net operating losses ("NOLs") of \$14.4 million and \$15.1 million which amount to \$3.9 million and \$4.0 million of deferred tax assets, respectively. The Company has no federal or state NOLs during these periods. In addition, the Company has \$0.3 million of credit carryforwards. The Company believes that it is more likely than not that the benefit arising from certain NOL, credit carryforwards and acquisition assets will not be realized. In recognition of this risk, the Company has provided a valuation allowance of \$1.8 million on these deferred tax assets. The federal and certain foreign NOLs can be carried forward indefinitely, the state and certain foreign NOLs expire at various times during 2028 – 2043 and the tax credit carryforwards expire at various times during 2031 - 2043.

As of December 31, 2024, we are not indefinitely reinvested with respect to undistributed earnings from some of our Asian subsidiaries. There was no material deferred tax expense recorded for foreign tax costs associated with the future remittance of these undistributed earnings. The Company remains permanently reinvested with respect to undistributed earnings from our other foreign subsidiaries. It is not practicable to estimate the amount of deferred tax liability, if any, with respect to these permanently reinvested undistributed earnings.

Components of deferred income tax assets and liabilities are as follows:

	December 31,	
	2024 Tax Effect	2023 Tax Effect
Deferred tax assets:		
State tax credits	\$ 90	\$ 424
Reserves and accruals	6,970	4,504
Federal, state and foreign net operating loss and credit carryforwards	4,247	4,303
Depreciation	384	435
Amortization	9,845	6,004
Lease accounting	6,157	4,605
Other accruals	6,054	5,997
Total deferred tax assets	<u>33,747</u>	<u>26,272</u>
Valuation allowance	<u>1,844</u>	<u>2,009</u>
Net deferred tax assets	<u>31,903</u>	<u>24,263</u>
Deferred tax liabilities:		
Unfunded pension liability	260	255
Depreciation	2,685	2,331
Amortization	34,903	6,359
Lease accounting	5,960	4,659
Other accruals	<u>581</u>	<u>562</u>
Total deferred tax liabilities	<u>44,389</u>	<u>14,166</u>
Net deferred tax (liabilities) assets	<u>\$ (12,486)</u>	<u>\$ 10,097</u>

At December 31, 2024, 2023 and 2022, the Company has approximately \$18.1 million, \$19.8 million and \$24.8 million, respectively, of liabilities for uncertain tax positions. These amounts, if recognized, would reduce the Company's effective tax rate. As of December 31, 2024, approximately \$1.2 million of the Company's liabilities for uncertain tax positions are expected to be resolved during the next twelve months by way of expiration of the related statutes of limitations.

A reconciliation of the beginning and ending amount of the liability for uncertain tax positions, including the portion included in income taxes payable, is as follows:

	Year Ended December 31,	
	2024	2023
Liability for uncertain tax positions - January 1	\$ 19,823	\$ 24,798
Additions based on tax positions related to the current year	1,053	973
Translation adjustment	-	(249)
Settlement/expiration of statutes of limitations	<u>(2,749)</u>	<u>(5,699)</u>
Liability for uncertain tax positions - December 31	<u>\$ 18,127</u>	<u>\$ 19,823</u>

The Company's policy is to recognize interest and penalties related to uncertain tax positions as a component of the current provision for income taxes. During the years ended December 31, 2024, 2023 and 2022, the Company recognized \$0.3 million, \$0.4 million and \$0.6 million, respectively, in interest and penalties in the consolidated statements of operations. During the years ended December 31, 2024, 2023 and 2022, the Company recognized a benefit of \$1.1 million, \$2.3 million and \$1.6 million, respectively, for the reversal of such interest and penalties, relating to the expiration of statutes of limitations and settlement of the acquired liability for uncertain tax positions. The Company has approximately \$1.2 million, \$2.0 million and \$4.0 million accrued for the payment of interest and penalties at December 31, 2024, 2023 and 2022, respectively, which is included in both income taxes payable and liability for uncertain tax positions in the consolidated balance sheets.

## 11. DEBT

The Company has a Credit and Security Agreement with KeyBank National Association (as amended, the "credit agreement" or the "CSA"). Prior to November 14, 2024, the CSA had provided for a \$175 million 5-year senior secured revolving credit facility ("revolver"), with a sublimit of up to \$10 million available for letters of credit and a sublimit of up to \$5 million available for swing line loans. On November 14, 2024, Bel entered into a Third Amendment Agreement (the "Third Amendment") to the CSA, which made certain amendments to the CSA including (i) increasing the maximum revolving amount from \$175 million to \$325 million in order to finance the Enercon acquisition, and (ii) making loans under the new revolver in an aggregate principal amount of \$240 million.

At December 31, 2024 and 2023, outstanding borrowings under the revolver amounted to \$287.5 million and \$60.0 million, respectively. The unused credit available under the credit facility was \$37.5 million at December 31, 2024 and \$115.0 million at December 31, 2023. The Company incurred \$4.1 million and \$2.9 million of interest expense during the years ended December 31, 2024 and 2023, respectively, in connection with interest due on its outstanding borrowings under the CSA during each period, including the effects of the 2021 Swaps (as hereinafter defined) and amortization of deferred financing costs. During January 2023, the Company amended its CSA and related 2021 Swaps to transition the reference rate from LIBOR to SOFR effective January 31, 2023.

The effective rate of interest for our total outstanding borrowings, including the impact of the 2021 Swaps discussed below, was 5.47% and 2.47%, respectively, as of December 31, 2024 and December 31, 2023. The interest rate in effect for the fixed-rate portion of our outstanding borrowings (\$60 million at each of December 31, 2024 and 2023) was 2.84% and 2.47% at December 31, 2024 and 2023, respectively. The weighted-average interest rate in effect for the variable-rate portion of our outstanding borrowings (\$227.5 million at December 31, 2024) was 6.16% at December 31, 2024, and consisted of SOFR plus the Company's credit spread at December 31, 2024, as determined per the terms of the CSA. No outstanding borrowings were subject to a variable interest rate at December 31, 2023. In order to manage our interest rate exposure on the remaining borrowings, and as further described in Note 13, "*Derivative Instruments and Hedging Activities*", the Company is party to the 2021 Swaps, each with an aggregate notional amount of \$30 million, or \$60 million in the aggregate, the effect of which is to fix the SOFR portion (or, for periods prior to January 31, 2023, the LIBOR portion) of the interest rate on a portion of our outstanding debt on our Revolver (or such portion thereof up to the aggregate \$60 million notional amount of the 2021 Swaps). In periods prior to January 31, 2023, the 2021 Swaps required the Company to pay interest on the notional amount at the rate of 1.3055% and 1.3180%, respectively, in exchange for the one-month LIBOR rate. Effective January 31, 2023, in connection with the Company's transition of its reference rate from LIBOR to SOFR as further described in Recently Adopted Accounting Standards in Note 1, "*Description of Business and Summary of Significant Accounting Policies*", the 2021 Swaps require the Company to pay interest on the notional amount at the rate of 1.334% and 1.348%, respectively, in exchange for the daily SOFR rate plus 10 basis points.

Under the terms of its credit agreement, the Company is entitled, subject to the satisfaction of certain conditions, to request additional commitments under the revolver or the addition of a term loan facility in the aggregate principal amount of up to \$100 million for all such increases (revolver and term) to the extent that existing or new lenders agree to provide such additional commitments and/or term loans. In addition to requesting loans denominated in U.S. dollars, the credit agreement provides that up to a U.S. dollar equivalent principal amount of \$15 million of the revolver may be borrowed by Bel in alternate foreign currencies including Euros, Pounds Sterling, Japanese Yen and such other currency as requested by Bel and consented to by KeyBank and each lender.

In connection with the credit agreement, the Company and certain of the Company's material U.S. subsidiaries (together with the Company, the "Loan Parties") provided to the administrative agent, for the benefit of the lenders, guaranty of payment. As a result, the obligations of the Company under the credit agreement are guaranteed by the Loan Parties' material U.S. subsidiaries, and secured by a first priority security interest in substantially all of the existing and future personal property of the Loan Parties, certain material real property of the Loan Parties and certain of the Loan Parties' material U.S. subsidiaries, including 65% of the voting capital stock of certain of the Loan Parties' direct foreign subsidiaries.

On January 12, 2023, the Company amended its credit agreement for the purpose of transitioning its reference rate related to interest from LIBOR to SOFR. The borrowings under the credit agreement bear interest, generally payable quarterly, at a rate equal to, at the Company's option, either (1) SOFR, plus a margin ranging from 1.125% per annum to 2.125% per annum depending on the Company's leverage ratio, or (2)(a) an alternate "Base Rate," which is the highest of (i) KeyBank's prime rate, (ii) the federal funds rate plus 0.50% and (iii) the SOFR rate with a maturity of one month plus 1%, plus (b) a margin ranging from 0.125% per annum to 1.125% per annum, depending on the Company's leverage ratio. Pursuant to the terms of the credit agreement, the Company has agreed to pay to KeyBank, as administrative agent for the ratable account of the revolving lenders in consideration for their commitments in respect of the revolver, a commitment fee due quarterly in arrears and calculated based on the average unused amount of the facility (exclusive of swing line exposure), at a rate ranging from 0.2% per annum to 0.3% per annum, depending on the Company's leverage ratio.

Revolving loans borrowed under the credit agreement mature on September 1, 2026, and the commitments with respect to the revolver will automatically terminate on such date.

The credit agreement contains customary representations and warranties, covenants and events of default. In addition, the credit agreement contains financial covenants that measure (i) the ratio of the Company's total funded indebtedness, on a consolidated basis, less the aggregate amount of all unencumbered cash and cash equivalents, to the amount of the Company's consolidated EBITDA ("Leverage Ratio") and (ii) the ratio of the amount of the Company's consolidated EBITDA to the Company's consolidated fixed charges ("Fixed Charge Coverage Ratio"). If an event of default occurs, the lenders under the credit agreement would be entitled to take various actions, including the acceleration of amounts due thereunder and all actions permitted to be taken by a secured creditor.

At December 31, 2024, the Company was in compliance with its debt covenants, including its most restrictive covenant, the Leverage Ratio.

Scheduled principal payments of the total debt outstanding at December 31, 2024 are as follows (in thousands):

2025	\$	-
2026		287,500
2027		-
Total long-term debt		<u>287,500</u>
Less: Current maturities of long-term debt		-
Noncurrent portion of long-term debt	\$	<u><u>287,500</u></u>

## 12. ACCRUED EXPENSES

Accrued expenses consist of the following:

	December 31,	
	2024	2023
Salaries, bonuses and related benefits	\$ 32,478	\$ 33,566
Accrued restructuring costs	5,823	5,498
Sales commissions	2,616	2,347
Warranty accrual	1,554	1,542
Other	10,560	11,704
	<u>\$ 53,031</u>	<u>\$ 54,657</u>

The change in warranty accrual during 2024 primarily related to repair costs incurred and adjustments to pre-existing warranties. There were no new material warranty charges incurred during 2024.

### Restructuring Activities:

Activity and liability balances related to restructuring costs for the years ended December 31, 2023 and 2024 are as follows:

	2023			2024			
	Liability at December 31, 2022	New Charges	Cash Payments and Other Settlements	Liability at December 31, 2023	New Charges	Cash Payments and Other Settlements	Liability at December 31, 2024
Severance costs	\$ 3,390	\$ 7,590	\$ (9,429)	\$ 1,551	\$ 2,888	\$ (3,163)	\$ 1,276
Disposal of equipment in connection with restructuring	-	1,320	(1,320)	-	-	-	-
Other restructuring costs	3,406	1,204	(663)	3,947	571	29	4,547
Total	<u>\$ 6,796</u>	<u>\$ 10,114</u>	<u>\$ (11,412)</u>	<u>\$ 5,498</u>	<u>\$ 3,459</u>	<u>\$ (3,134)</u>	<u>\$ 5,823</u>

During the third quarter of 2022, a series of initiatives were launched to streamline our operational footprint. In a project completed during the fourth quarter of 2023, two of our Magnetic Solutions manufacturing facilities in Zhongshan and Pingguo, China, were largely consolidated into a single centralized site in the Binyang county of Southwestern China (the new Bel Guangxi facility). Further, during 2023, we completed the transition out of our Tempe, Arizona and Sudbury, UK facilities (both within our Connectivity Solutions segment) into other existing Bel sites. Our Connectivity Solutions Melbourne, Florida site also transitioned its manufacturing operations into our existing site in Waseca, Minnesota during 2023. The \$10.1 million of restructuring charges incurred the year ended December 31, 2023, and the accrued restructuring costs of \$5.5 million at December 31, 2023, are associated with these collective initiatives.

The 2024 charges and ending liability balance at December 31, 2024 noted above for severance costs largely relate to an initiative within our Power segment related to the transition of our fuse operations to other existing sites and also within our Connectivity segment related to the transition of certain manufacturing from our Glen Rock, Pennsylvania facility to other existing Bel sites. The new charges noted above for other restructuring costs relate to housing and social insurance costs associated with our fuse restructuring initiative within our Power segment. The balances in other restructuring costs in the table above as of December 31, 2023 and December 31, 2024 largely related to remaining liabilities associated with the Company's aforementioned facility consolidation project in the PRC.

### 13. DERIVATIVE INSTRUMENTS AND HEDGING ACTIVITIES

Our primary objective for holding derivative financial instruments is to manage foreign currency exchange rate risk and interest rate risk, when deemed appropriate. We enter into these contracts in the normal course of business to mitigate risks and not for speculative purposes.

#### Foreign Currency Forward Contracts

Under our risk management strategy, we periodically use foreign currency forward contracts to manage our short-term exposures to fluctuations in operational cash flows resulting from changes in foreign currency exchange rates. These cash flow exposures result from portions of our forecasted operating expenses, primarily compensation and related expenses, which are transacted in currencies other than the U.S. dollar, most notably the Chinese renminbi and the Mexican peso. These foreign currency forward contracts generally have maturities of no longer than twelve months, although occasionally we will execute a contract that extends beyond twelve months, depending upon the nature of the underlying risk.

We held outstanding foreign currency forward contracts with notional amounts of \$14.2 million and \$25.8 million as of December 31, 2024 and 2023, respectively. The Company's foreign currency forward contracts related to the Chinese renminbi are designated as cash flow hedges for accounting purposes and as such, changes in their fair value are recognized in accumulated other comprehensive income (loss) in the consolidated balance sheet and are reclassified into the consolidated statement of operations within cost of goods sold in the period in which the hedged transaction affects earnings.

#### Interest Rate Swap Agreements

To partially mitigate risks associated with the variable interest rates on the revolver borrowings under its credit agreement, the Company is a party to a pay-fixed, receive-variable interest rate swap agreement with each of two multinational financial institutions under which we, for periods prior to January 31, 2023, (i) paid interest at a fixed rate of 1.3055% and received variable interest of one-month LIBOR on a notional amount of \$30.0 million and (ii) paid interest at a fixed rate of 1.3180% and received variable interest of one-month LIBOR on a notional amount of \$30.0 million (the "2021 Swaps"). The effective date of the 2021 Swaps was December 31, 2021, and settlements with the counterparties began on January 31, 2022 and occur on a monthly basis. The 2021 Swaps will terminate on August 31, 2026. In January 2023, and in connection with related changes to its credit agreement, the Company amended its two interest rate swap agreements to transition the related reference rates in these agreements from LIBOR to SOFR, effective January 31, 2023. Effective January 31, 2023, the 2021 Swaps require the Company to pay interest on the notional amount at the rate of 1.334% and 1.348%, respectively, in exchange for the daily SOFR rate plus 10 basis points.

The 2021 Swaps are designated as cash flow hedges for accounting purposes and as such, changes in their fair value are recognized in accumulated other comprehensive income (loss) in the consolidated balance sheet and are reclassified into the statement of operations within interest expense in the period in which the hedged transaction affects earnings.

#### Fair Values of Derivative Financial Instruments

See Note 6, "Fair Value Measurements" for the gross fair values of the Company's derivative assets and liabilities as of December 31, 2024 and 2023.

## Derivative Financial Instruments in Cash Flow Hedging Relationships

The effects of derivative financial instruments designated as cash flow hedges on AOCL and on the consolidated statements of operations for the years ended December 31, 2024, 2023 and 2022 were as follows:

	Year Ended December 31,		
	2024	2023	2022
Net (losses) gains recognized in AOCL:			
Foreign currency forward contracts	\$ (184)	\$ (1,470)	\$ (119)
Interest rate swap agreements	1,178	689	5,886
	<u>\$ 994</u>	<u>\$ (781)</u>	<u>\$ 5,767</u>
Net (losses) gains reclassified from AOCL to the consolidated statement of operations:			
Foreign currency forward contracts	\$ (466)	\$ (537)	\$ (805)
Interest rate swap agreements	2,407	2,268	230
	<u>\$ 1,941</u>	<u>\$ 1,731</u>	<u>\$ (575)</u>

The losses related to the foreign currency forward contracts are included as a component of currency translation adjustment on the accompanying consolidated statements of comprehensive income at December 31, 2024, 2023 and 2022.

## Derivative Financial Instruments Not Designated as Hedging Instruments

Gains recognized on derivative financial instruments not designated as hedging instruments in our consolidated statements of operations for the years ended December 31, 2024, 2023 and 2022 were as follows:

	Classification in Consolidated Statements of Operations	Year Ended December 31,		
		2024	2023	2022
Foreign currency forward contracts	Other expense, net	74	150	58
		<u>\$ 74</u>	<u>\$ 150</u>	<u>\$ 58</u>

## 14. SEGMENTS

The Company operates in one industry with three reportable operating segments, which represent the Company's three product groups, consisting of Power Solutions and Protection, Connectivity Solutions and Magnetic Solutions:

**Power Solutions and Protection Segment:** This segment includes internal and external AC/DC power supplies, DC/DC converters and DC/AC inverters utilized in defense, commercial aerospace, industrial, networking and consumer applications. Bel circuit protection products include board level fuses (miniature, micro and surface mount), and Polymeric PTC (Positive Temperature Coefficient) devices, designed for the global electronic and telecommunication markets.

**Connectivity Solutions Segment:** This segment includes high speed and harsh environment copper and optical fiber connectors and integrated assemblies, providing connectivity solutions within the commercial aerospace, military communications, defense, network infrastructure, structured building cabling and several industrial applications.

**Magnetic Solutions Segment:** This segment includes the Company's ICM products, which integrate RJ45 connectors with discrete magnetic components to provide better performance and a more robust device, substantially reducing board space and optimizing performance. This segment also includes Power Transformers for use in a wide array of applications, including industrial instrumentation, alarm and security systems, motion control, elevators, and medical products.

There are no intercompany sales between the segments.

On a quarterly basis, the Company's chief operating decision maker (CODM), the Chief Executive Officer, utilizes gross profit (a U.S. GAAP measure) as the profitability measure in assessing segment performance. The CODM uses segment gross profit to make commercial and operational related decisions across the business and when evaluating capital deployment opportunities. In accordance with ASU 2023-07, the Company has elected to disclose gross profit as its required measure of segment profit and loss since it represents the measure of segment performance that is most consistent with U.S. GAAP measurement principles.

The following is a summary of key financial data for each of the three years ended December 31, 2024, 2023 and 2022. In addition to total segment revenues and segment gross profit, the CODM's quarterly reporting package also includes cost of sales in arriving at the disclosed measure of profitability. The Company has determined that cost of sales is a significant segment expense and is therefore included in the financial data disclosure tables below.

	Year Ended December 31, 2024				
	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Corporate/ Other	Total
Net sales	\$ 245,551	\$ 220,370	\$ 68,871	\$ -	\$ 534,792
Cost of sales	141,425	138,606	51,418	985	332,434
Gross profit	104,126	81,764	17,453	(985)	202,358
Gross profit %	42.4%	37.1%	25.3%	nm	37.8%
Research and development costs					23,586
Selling, general and administrative expenses					110,616
Impairment of CUI tradename					400
Restructuring charges					3,459
Interest expense					4,078
Interest income					(4,754)
Other income/expense, net					3,165
Earnings before provision for income taxes					\$ 61,808
<u>Other Segment Disclosures:</u>					
Total Assets	\$ 654,131	\$ 177,443	\$ 51,415	\$ 66,800	\$ 949,789
Capital Expenditures	5,446	7,908	281	473	14,108
Depreciation and Amortization Expense	8,284	6,853	819	501	16,457
Interest Expense	1,327	68	-	2,683	4,078

Year Ended December 31, 2023

	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Corporate/ Other	Total
Net sales	\$ 314,105	\$ 210,572	\$ 115,136	\$ -	\$ 639,813
Cost of sales	194,364	138,541	89,822	1,237	423,964
Gross profit	119,741	72,031	25,314	(1,237)	215,849
Gross profit %	38.1%	34.2%	22.0%	nm	33.7%
Research and development costs					22,487
Selling, general and administrative expenses					99,091
Restructuring charges					10,114
Gain on sale of properties					(3,819)
Gain on sale of Czech Republic business					(980)
Interest expense					2,850
Interest income					(1,697)
Other income/expense, net					4,503
Earnings before provision for income taxes					<u>\$ 83,300</u>

Other Segment Disclosures:

Total assets	\$ 222,068	\$ 197,045	\$ 47,900	\$ 104,618	\$ 571,631
Capital expenditures	4,563	7,384	160	19	12,126
Depreciation and amortization expense	5,280	6,152	1,094	786	13,312
Interest expense	-	-	-	2,850	2,850

Year Ended December 31, 2022

	Power Solutions and Protection	Connectivity Solutions	Magnetic Solutions	Corporate/ Other	Total
Net sales	\$288,366	\$187,085	\$178,782	\$-	\$654,233
Cost of sales	200,526	138,597	129,492	2,165	470,780
Gross profit	87,840	48,488	49,290	(2,165)	183,453
Gross profit %	30.5%	25.9%	27.6%	nm	28.0%
Research and development costs					20,238
Selling, general and administrative expenses					92,342
Restructuring charges					7,322
Gain on sale of properties					(1,596)
Interest expense					3,379
Interest income					(177)
Other income/expense, net					2,886
Earnings before provision for income taxes					<u>\$ 59,059</u>

Other Segment Disclosures:

Total Assets	\$ 234,095	\$ 170,895	\$ 107,891	\$ 47,585	\$ 560,466
Capital Expenditures	3,916	4,566	350	-	8,832
Depreciation and Amortization Expense	6,470	6,145	2,133	115	14,863
Interest Expense	-	-	-	3,379	3,379

## Entity-Wide Information

The following is a summary of entity-wide information related to the Company's net sales to external customers by geographic area and by major product line. Such information attributes net sales based on markets where revenues are reported.

	Years Ended December 31,		
	2024	2023	2022
<b><i>Net Sales by Geographic Location:</i></b>			
United States	\$ 362,118	\$ 447,793	\$ 409,199
People's Republic of China	23,394	43,109	77,061
Macao	25,130	35,026	61,744
United Kingdom	35,915	25,648	21,903
Slovakia	33,228	35,555	22,120
Germany	15,268	17,327	24,112
India	10,635	15,365	17,608
Switzerland	15,594	11,237	9,893
Israel	8,227	-	-
All other foreign countries	5,283	8,753	10,593
Consolidated net sales	<u>534,792</u>	<u>639,813</u>	<u>654,233</u>
<b><i>Net Sales by Major Product Line:</i></b>			
Power solutions and protection	\$ 245,551	\$ 314,105	\$ 288,366
Connectivity solutions	220,370	210,572	187,085
Magnetic solutions	68,871	115,136	178,782
Consolidated net sales	<u>\$ 534,792</u>	<u>\$ 639,813</u>	<u>\$ 654,233</u>

The following is a summary of long-lived assets by geographic area as of December 31, 2024 and 2023:

	December 31,	
	2024	2023
<b><i>Long-lived Assets by Geographic Location:</i></b>		
United States	\$ 40,840	\$ 34,990
People's Republic of China (PRC)	23,942	23,621
Slovakia	6,553	7,468
Israel	4,125	-
United Kingdom	3,001	3,024
All other foreign countries	4,057	549
Consolidated long-lived assets	<u>\$ 82,518</u>	<u>\$ 69,652</u>

Long-lived assets consist of property, plant and equipment, net and other assets of the Company that are identified with the operations of each geographic area.

The territory of Hong Kong became a Special Administrative Region ("SAR") of the PRC in the middle of 1997. The territory of Macao became a SAR of the PRC at the end of 1999. Management cannot presently predict what future impact the current status of these territories, along with evolving political landscape in the region, will have on the Company, if any, or how the political climate in the PRC will affect the Company's contractual arrangements in the PRC (including risks arising out of any changes in governmental and economic policy, such as increased or new tariffs, and current or additional trade restrictions, and the potential for adverse developments arising out of any political or economic instability related to Hong Kong or Taiwan). A significant portion of the Company's manufacturing operations and approximately 30.8% of its identifiable assets are located in Asia.

## Net Sales to Major Customers

The Company had no direct customers whose net sales represented in excess of ten percent of the Company's consolidated net sales in 2024 or 2023. In 2022, the Company had one direct customer with net sales of \$83.9 million (12.8% of sales). Net sales related to this significant customer were primarily reflected in the Magnetic Solutions operating segment.

## 15. RETIREMENT FUND AND PROFIT SHARING PLAN

The Company maintains the Bel Fuse Inc. Employees' Savings Plan, a defined contribution plan that is intended to meet the applicable requirements for tax-qualification under sections 401(a) and (k) of the Internal Revenue Code of 1986, as amended (the "Code"). The Employees' Savings Plan allows eligible employees to voluntarily contribute a percentage of their eligible compensation, subject to Code limitations, which contributions are matched by the Company in an amount equal to 100% of the first 1% of compensation contributed by participants, and 50% of the next 5% of compensation contributed by participants. The Company's matching contribution is made in the form of Bel Fuse Inc. Class A common stock. Prior to January 1, 2012, the Company's matching and profit sharing contributions were made in the form of shares of Bel Fuse Inc. Class A and Class B common stock. The expense for each of the years ended December 31, 2024, 2023 and 2022 amounted to \$1.4 million, \$1.3 million and \$1.3 million, respectively. As of December 31, 2024, the plan owned approximately 256,585 shares and 52,924 shares of Bel Fuse Inc. Class A and Class B common stock, respectively.

The Company also maintains a Nonqualified Deferred Compensation Plan (the "DCP"). With certain exceptions, the Company's contributions to the DCP are discretionary and become fully vested by the participants upon reaching age 65. The expense for the years ended December 31, 2024, 2023 and 2022 amounted to \$0.2 million, \$0.2 million and \$0.1 million, respectively. As the plan is fully funded, the assets and liabilities related to the DCP were in equal amounts of \$1.3 million at December 31, 2024 and \$1.0 million at December 31, 2023. These amounts are included in other assets and other liabilities, respectively, on the accompanying consolidated balance sheets as of each date.

The Company's subsidiaries in Asia have a retirement fund covering substantially all of their Hong Kong based full-time employees. Eligible employees contribute up to 5% of salary to the fund. In addition, the Company must contribute a minimum of 5% of eligible salary, as determined by Hong Kong government regulations. The Company currently contributes 7% of eligible salary in cash. The expense for the years ended December 31, 2024, 2023 and 2022 amounted to approximately \$0.3 million, \$1.5 million and \$1.8 million, respectively.

The Company maintains a SERP, which is designed to provide a limited group of key management and other key employees of the Company with supplemental retirement and death benefits. Participants in the SERP are selected by the Compensation Committee of the Board of Directors. The SERP initially became effective in 2002 and was amended and restated in April 2007 to conform with applicable requirements of Section 409A of the Internal Revenue Code and to modify the provisions regarding benefits payable in connection with a change in control of the Company. The Plan is unfunded. Benefits under the SERP are payable from the general assets of the Company, but the Company has established a rabbi trust which includes certain life insurance policies in effect on participants as well as other investments to partially cover the Company's obligations under the Plan. See Note 7, "Other Assets," for further information on these assets.

The benefits available under the SERP vary according to when and how the participant terminates employment with the Company. If a participant retires (with the prior written consent of the Company) on his normal retirement date (65 years old, 20 years of service, and 5 years of Plan participation), his normal retirement benefit under the Plan would be annual payments equal to 40% of his average base compensation (calculated using compensation from the highest five consecutive calendar years of Plan participation), payable in monthly installments for the remainder of his life. If a participant retires early from the Company (55 years old, 20 years of service, and five years of Plan participation), his early retirement benefit under the Plan would be an amount (i) calculated as if his early retirement date were in fact his normal retirement date, (ii) multiplied by a fraction, with the numerator being the actual years of service the participant has with the Company and the denominator being the years of service the participant would have had if he had retired at age 65, and (iii) actuarially reduced to reflect the early retirement date. If a participant dies prior to receiving 120 monthly payments under the Plan, his beneficiary would be entitled to continue receiving benefits for the shorter of (i) the time necessary to complete 120 monthly payments or (ii) 60 months. If a participant dies while employed by the Company, his beneficiary would receive, as a survivor benefit, an annual amount equal to (i) 100% of the participant's annual base salary at date of death for one year, and (ii) 50% of the participant's annual base salary at date of death for each of the following four years, each payable in monthly installments. The Plan also provides for disability benefits, and a forfeiture of benefits if a participant terminates employment for reasons other than those contemplated under the Plan. The expense related to the Plan for the years ended December 31, 2024, 2023 and 2022 amounted to \$1.4 million, \$1.3 million and \$1.5 million, respectively.

### Net Periodic Benefit Cost

The net periodic benefit cost related to the SERP consisted of the following components during the years ended December 31, 2024, 2023 and 2022:

	Years Ended December 31,		
	2024	2023	2022
Service Cost	\$ 395	\$ 369	\$ 503
Interest Cost	903	886	636
Net amortization	79	71	312
Net periodic benefit cost	<u>\$ 1,377</u>	<u>\$ 1,326</u>	<u>\$ 1,451</u>

The service cost component of net benefit cost is presented within cost of sales or selling, general and administrative expense on the accompanying consolidated statements of operations, in accordance with where compensation cost for the related associate is reported. All other components of net benefit cost, including interest cost and net amortization noted above, are presented within other income/expense, net in the accompanying consolidated statements of operations.

### Obligations and Funded Status

Summarized information related to the SERP about the changes in plan assets and benefit obligation, the funded status and the amounts recorded at December 31, 2024 and 2023 are as follows:

	Years Ended December 31,	
	2024	2023
Fair value of plan assets, January 1	\$ -	\$ -
Company contributions	775	775
Benefits paid	(775)	(775)
Fair value of plan assets, December 31	<u>\$ -</u>	<u>\$ -</u>
Benefit obligation, January 1	\$ 19,484	\$ 18,175
Service cost	395	370
Interest cost	903	886
Benefits paid	(775)	(775)
Actuarial (gain) loss	(1,968)	828
Benefit obligation, December 31	<u>\$ 18,039</u>	<u>\$ 19,484</u>
Underfunded status, December 31	<u>\$ (18,039)</u>	<u>\$ (19,484)</u>

The Company has recorded the 2024 and 2023 underfunded status as a long-term liability on the consolidated balance sheets. The accumulated benefit obligation for the SERP was \$17.2 million as of December 31, 2024 and \$18.1 million as of December 31, 2023. The aforementioned company-owned life insurance policies and marketable securities held in a rabbi trust had a combined value of \$17.0 million and \$15.4 million at December 31, 2024 and 2023, respectively. See Note 7, "Other Assets," for additional information on these investments.

The estimated net loss and prior service cost for the SERP that will be amortized from accumulated other comprehensive loss into net periodic benefit cost over the next fiscal year is \$0.1 million. The Company expects to make contributions of \$0.9 million to the SERP in 2025. The Company had no net transition assets or obligations recognized as an adjustment to other comprehensive income and does not anticipate any plan assets being returned to the Company during 2025, as the plan has no assets.

The following benefit payments, which reflect expected future service, are expected to be paid:

Years Ending December 31,	
2025	\$ 1,159
2026	1,141
2027	1,203
2028	1,293
2029	1,307
2030 - 2034	7,188

The following gross amounts are recognized net of tax in accumulated other comprehensive loss:

	December 31,		
	2024	2023	2022
Prior service cost	\$ 132	\$ 212	\$ 334
Net loss	(3,303)	(1,336)	(2,216)
	<u>\$ (3,171)</u>	<u>\$ (1,124)</u>	<u>\$ (1,882)</u>

#### Actuarial Assumptions

The weighted average assumptions used in determining the periodic net cost and benefit obligation information related to the SERP are as follows:

	Years Ended December 31,		
	2024	2023	2022
<u>Net periodic benefit cost:</u>			
Discount rate	4.75%	5.00%	2.75%
Rate of compensation increase	2.50%	2.50%	2.50%
<u>Benefit obligation:</u>			
Discount rate	5.50%	4.75%	5.00%
Rate of compensation increase	2.50%	2.50%	2.50%

#### 16. SHARE-BASED COMPENSATION

The Company has an equity compensation program (the "Program") which provides for the granting of "Incentive Stock Options" within the meaning of Section 422 of the Internal Revenue Code of 1986, as amended, non-qualified stock options and restricted stock awards. The Company believes that such awards better align the interests of its employees with those of its shareholders. The 2020 Equity Compensation Plan provides for the issuance of 1.0 million shares of the Company's Class B common stock. At December 31, 2024, 473,764 shares remained available for future issuance under the 2020 Equity Compensation Plan.

The Company records compensation expense in its consolidated statements of operations related to employee stock-based options and awards. The aggregate pretax compensation cost recognized for stock-based compensation amounted to approximately \$3.7 million, \$3.5 million and \$2.4 million for 2024, 2023 and 2022, respectively, and related solely to restricted stock awards. The Company did not use any cash to settle any equity instruments granted under share-based arrangements during 2024 and 2023. At December 31, 2024 and 2023, the only instruments issued and outstanding under the Program related to restricted stock awards.

#### Restricted Stock Awards

The Company provides common stock awards to certain officers, directors and key employees. The Company grants these awards, at its discretion, from the shares available under the Program. Unless otherwise provided at the date of grant or unless subsequently accelerated, effective January 1, 2024, shares awarded are typically earned in one-third increments on the first, second and third anniversaries of the award and are distributed provided the employee has remained employed by the Company through such anniversary date; otherwise the unearned shares are forfeited. Prior to January 1, 2024, shares awarded were typically earned in 25% increments on the second, third, fourth and fifth anniversaries of the award. The market value of these shares at the date of award is recorded as compensation expense on the straight-line method over the applicable vesting period from the respective award dates utilizing an estimated annual forfeiture rate of 5%. During 2024, 2023 and 2022, the Company issued 57,960 shares, 10,000 shares and 322,500 shares of the Company's Class B common stock, respectively, under a restricted stock plan to various officers, directors and employees.

A summary of the restricted stock activity under the Program for the year ended December 31, 2024 is presented below:

Restricted Stock Awards	Shares	Weighted Average Award Price	Weighted Average Remaining Contractual Term (In Years)
Outstanding at January 1, 2024	496,750	\$ 29.09	3.7
Granted	57,960	56.20	
Vested	(148,376)	25.94	
Forfeited	(17,224)	29.42	
Outstanding at December 31, 2024	<u>389,110</u>	\$ 34.31	2.6

As of December 31, 2024, there was \$9.3 million of total pretax unrecognized compensation cost related to non-vested stock-based compensation arrangements granted under the restricted stock award plan. That cost is expected to be recognized over a period of 3.4 years. This expense is recorded in cost of sales, R&D and SG&A expense based upon the employment classification of the award recipients.

The Company's policy in 2024 was to issue new shares to satisfy restricted stock awards. Currently the Company believes that the majority of its restricted stock awards will vest.

## 17. COMMON STOCK

Throughout 2024, 2023 and 2022, the Company declared cash dividends on a quarterly basis at a rate of \$0.06 per Class A (voting) share of common stock and \$0.07 per Class B (non-voting) share of common stock. The Company declared and paid cash dividends totaling \$3.5 million in 2024, \$3.5 million in 2023, and \$3.4 million in 2022. There are no contractual restrictions on the Company's ability to pay dividends, provided that the Company is not in default under its credit agreement immediately before such payment and after giving effect to such payment.

## 18. LEASES

The Company has operating leases for its facilities used for manufacturing, research and development, sales and administration. There are also operating and finance leases related to manufacturing equipment, office equipment and vehicles. These leases have remaining lease terms ranging from 1 year to 9 years. Certain of the leases contain options to extend the term of the lease and certain of the leases contain options to terminate the lease within a specified period of time. These options to extend or terminate a lease are included in the lease term only when it is reasonably likely that the Company will elect that option. The Company is not a party to any material sublease arrangements.

The components of lease expense, which are included in cost of sales, research and development costs, and selling, general and administrative expense, based on the underlying use of the ROU asset, were as follows:

	Year Ended December 31,		
	2024	2023	2022
Amortization of ROU assets - finance leases	\$ 819	\$ 491	\$ 448
Interest on lease liabilities - finance leases	190	121	137
Operating lease cost (cost resulting from lease payments)	9,441	8,127	8,426
Short-term lease cost	57	207	201
Variable lease cost (cost excluded from lease payments)	1,218	397	410
Total lease cost	<u>\$ 11,725</u>	<u>\$ 9,343</u>	<u>\$ 9,622</u>

Supplemental cash flow information related to leases is as follows:

	Year Ended December 31,		
	2024	2023	2022
Cash paid for amounts included in the measurement of lease liabilities:			
Operating cash flows from operating leases	\$ 9,099	\$ 8,090	\$ 8,970
Operating cash flows from finance leases	190	121	137
Finance cash flows from finance leases	790	527	423
Right-of-use assets obtained in exchange for lease obligations:			
Operating leases	6,870	5,999	8,052
Finance leases	1,309	199	207

Supplemental balance sheet information related to leases was as follows:

	2024	2023	
Operating Leases:			
Operating lease right-of-use assets	\$ 25,125	\$ 20,481	
Operating lease liability, current	7,954	6,350	
Operating lease liability, long-term	17,763	14,212	
Total operating lease liabilities	\$ 25,717	\$ 20,562	
Finance Leases:			
Property, plant and equipment, gross	\$ 2,596	\$ 3,484	
Accumulated depreciation	(1,185)	(1,613)	
Property, plant and equipment, net	\$ 1,411	\$ 1,871	
Other current liabilities	\$ 374	\$ 485	
Other long-term liabilities	1,054	1,539	
Total finance lease liabilities	\$ 1,428	\$ 2,024	
	2024	2023	2022
Weighted-Average Remaining Lease Term:			
Operating leases (in years)	4.5	4.3	5.1
Finance leases (in years)	3.9	4.3	4.9
Weighted-Average Discount Rate:			
Operating leases	6.0%	6.0%	6.0%
Finance leases	6.0%	6.0%	6.1%

Our discount rate is based on our incremental borrowing rate, as adjusted based on the geographic regions in which our lease assets are located.

Maturities of lease liabilities were as follows as of December 31, 2024:

Year Ending December 31,	Operating Leases	Finance Leases
2025	\$ 9,214	\$ 486
2026	7,006	459
2027	4,046	376
2028	2,942	320
2029	2,205	75
Thereafter	4,008	24
Total undiscounted cash flows	29,421	1,740
Less imputed interest	(3,704)	(312)
Present value of lease liabilities	\$ 25,717	\$ 1,428

## 19. COMMITMENTS AND CONTINGENCIES

### Other Commitments

The Company submits purchase orders for raw materials to various vendors throughout the year for current production requirements, as well as forecasted requirements. Certain of these purchase orders relate to special purpose material and, as such, the Company may incur penalties if an order is cancelled. The Company had outstanding purchase orders related to raw materials in the amount of \$82.2 million and \$57.7 million at December 31, 2024 and December 31, 2023, respectively. The Company also had outstanding purchase orders related to capital expenditures in the amount of \$4.6 million and \$5.8 million at December 31, 2024 and December 31, 2023, respectively.

### Legal Proceedings

The Company is party to a number of legal actions and claims, none of which individually or in the aggregate, in the opinion of management, are expected to have a material adverse effect on the Company's consolidated results of operations or consolidated financial position.

On June 23, 2021, a patent infringement lawsuit styled *Bel Power Solutions, Inc. v. Monolithic Power Systems, Inc.*, Case Number 6:21cv00655, was filed in the United States District Court for the Western District of Texas (Waco Division) by Bel Power Solutions, Inc. against Monolithic Power Systems, Inc. ("MPS") for infringement of various patents directed towards systems, methods and articles of manufacture that provide a substantial improvement in power control for circuits, including novel and unique point-of-load regulators. On July 27, 2023, the Western District of Texas court filed an Order granting MPS's motion for summary judgment of non-infringement. The Court's memorandum and opinion is forthcoming. The Company is evaluating its options for appeal.

In connection with the Company's 2014 acquisition of the Power-One Power Solutions business ("Power Solutions") of ABB Ltd. ("ABB"), there is an ongoing claim by the Arezzo Revenue Agency in Italy concerning certain tax matters related to what was then Power-One Asia Pacific Electronics Shenzhen Co. Ltd. (now Bel Power Solutions Asia Pacific Electronics Shenzhen Co. Ltd, or "BPS China") for the years 2004 to 2006. In September 2012, the Tax Court of Arezzo ruled in favor of BPS China and cancelled the claim. In February 2013, the Arezzo Revenue Agency filed an appeal of the Tax Court's ruling. The hearing of the appeal was held on October 2, 2014. On October 13, 2014, BPS China was informed of the Regional Tax Commission of Florence ruling which was in favor of the Arezzo Revenue Agency and against BPS China. An appeal was filed on July 18, 2015 before the Regional Tax Commission of Florence and rejected. On December 5, 2016, the Arezzo Revenue Agency filed an appeal with the Supreme Court and BPS China filed a counter-appeal on January 4, 2017. The Supreme Court rendered a judgment against BPS China in March 2024. BPS China filed an appeal in July 2024. The estimated liability related to this matter is approximately \$12.0 million and has been included as a liability for uncertain tax positions on the accompanying consolidated balance sheets at December 31, 2024 and 2023. As Bel is fully indemnified in this matter per the terms of the stock purchase agreement with ABB, a corresponding other asset for indemnification is also included in other assets on the accompanying consolidated balance sheets at December 31, 2024 and 2023.

In connection with the Company's 2021 acquisition of EOS Power ("EOS"), there is an ongoing claim asserted with respect to EOS by the Principal Commissioner of Customs (Preventive), Mumbai related to customs duties and imposed fines and penalties dating back to 1994. The original demand was in the amount of approximately \$1.4 million, of which EOS has paid \$0.5 million. EOS filed an Appeal in 2016 which is pending with the Customs, Excise and Service Tax Appellate Tribunal in Mumbai related to the \$0.9 million balance of the original demand net of EOS' payment. As part of the EOS acquisition agreement entered into in March 2021, the Company is entitled to be indemnified for this matter for a period of 7 years from the acquisition date. The Company is unable to determine at this time what amount, if any, may ultimately be due in connection with this claim. As such, no estimate was accrued as of December 31, 2024.

The Company is not a party to any other legal proceeding, the adverse outcome of which is likely to have a material adverse effect on the Company's consolidated financial condition or consolidated results of operations.

## 20. ACCUMULATED OTHER COMPREHENSIVE LOSS

The components of accumulated other comprehensive loss as of December 31, 2024 and 2023 are summarized below:

	December 31,	
	2024	2023
Foreign currency translation adjustment, net of taxes of (\$312) at December 31, 2024 and (\$276) at December 31, 2023	\$ (21,966)	\$ (16,423)
Unrealized holding gains on interest rate swap cash flow hedge, net of taxes of \$0 at December 31, 2024 and \$0 at December 31, 2023	2,729	3,960
Unrealized holding gains on marketable securities, net of taxes of (\$7) at December 31, 2024 and (\$7) at December 31, 2023	21	19
Unfunded SERP liability, net of taxes of \$1,183 at December 31, 2024 and \$718 at December 31, 2023	1,989	407
Accumulated other comprehensive loss	<u>\$ (17,227)</u>	<u>\$ (12,037)</u>

Changes in accumulated other comprehensive (loss) income by component during the years ended December 31, 2024, 2023 and 2022 are as follows. All amounts are net of tax.

	Foreign Currency Translation Adjustment	Unrealized Gains (Losses) on Interest Rate Swap Cash Flow Hedge	Unrealized Holding Gains (Losses) on Marketable Securities	Unfunded SERP Liability	Total
Balance at January 1, 2022	\$ (14,911)	\$ (116)	\$ 29	\$ (3,865)	\$ (18,863)
Other comprehensive income (loss) before reclassifications	(7,391)	5,655	(11)	5,119	3,372
Amounts reclassified from accumulated other comprehensive income (loss)	(805)	-	-	(250)(a)	(1,055)
Net current period other comprehensive income (loss)	(8,196)	5,655	(11)	4,869	2,317
Balance at December 31, 2022	(23,107)	5,539	18	1,004	(16,546)
Other comprehensive income (loss) before reclassifications	7,221	(1,579)	1	(542)	5,101
Amounts reclassified from accumulated other comprehensive income (loss)	(537)	-	-	(55)(a)	(592)
Net current period other comprehensive income (loss)	6,684	(1,579)	1	(597)	4,509
Balance at December 31, 2023	(16,423)	3,960	19	407	(12,037)
Other comprehensive income (loss) before reclassifications	(5,077)	(1,231)	2	1,644	(4,662)
Amounts reclassified from accumulated other comprehensive income (loss)	(466)	-	-	(62)(a)	(528)
Net current period other comprehensive income (loss)	(5,543)	(1,231)	2	1,582	(5,190)
Balance at December 31, 2024	<u>\$ (21,966)</u>	<u>\$ 2,729</u>	<u>\$ 21</u>	<u>\$ 1,989</u>	<u>\$ (17,227)</u>

- (a) This reclassification relates to the amortization of prior service costs and gains/losses associated with the Company's SERP plan. This expense is reflected in other expense, net on the accompanying consolidated statement of operations.

**BEL FUSE INC. AND SUBSIDIARIES**  
**SCHEDULE II - VALUATION AND QUALIFYING ACCOUNTS**  
(Amounts in thousands)

Description	Balance at beginning of period	Additions		Deductions (a)	Balance At end of period
		(1) Charged to costs and expenses	(2) Charged to other accounts (b)		
<b>Balance at December 31, 2024</b>					
Allowance for doubtful accounts	\$ 1,388	\$ (54)	\$ (1)	\$ 3	\$ 1,336
Allowance for excess and obsolete inventory	\$ 13,655	\$ 1,383	\$ 406	\$ (979)	\$ 14,465
Deferred tax assets - valuation allowances	\$ 2,009	\$ 811	\$ -	\$ (976)	\$ 1,844
<b>Balance at December 31, 2023</b>					
Allowance for doubtful accounts	\$ 1,552	\$ (146)	\$ 203	\$ (221)	\$ 1,388
Allowance for excess and obsolete inventory	\$ 14,451	\$ 3,484	\$ (2,461)	\$ (1,819)	\$ 13,655
Deferred tax assets - valuation allowances	\$ 4,026	\$ 279	\$ -	\$ (2,296)	\$ 2,009
<b>Balance at December 31, 2022</b>					
Allowance for doubtful accounts	\$ 1,535	\$ 257	\$ 29	\$ (269)	\$ 1,552
Allowance for excess and obsolete inventory	\$ 12,068	\$ (663)	\$ 4,495	\$ (1,449)	\$ 14,451
Deferred tax assets - valuation allowances	\$ 8,068	\$ 138	\$ -	\$ (4,180)	\$ 4,026

(a) Write-offs

(b) Includes foreign currency translation adjustments

**Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure**

None.

**Item 9A. Controls and Procedures**

Evaluation of Disclosure Controls and Procedures

During the fourth quarter of 2024, the Company's management, including the principal executive officer and principal financial officer, supervised and participated in the evaluation of the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934) related to the recording, processing, summarization, and reporting of information in the Company's periodic reports that the Company files with the SEC. These disclosure controls and procedures have been designed to ensure that material information relating to the Company, including its subsidiaries, is made known to the Company's management, including the principal executive officer and principal financial officer, by the Company's other employees, and that this information is recorded, processed, summarized, evaluated, and reported, as applicable, within the time periods specified in the SEC's rules and forms.

In designing and evaluating the disclosure controls and procedures, the Company recognizes that any controls and procedures, no matter how well designed and operated, provide only reasonable, not absolute, assurance that the above objectives have been met. Notwithstanding these limitations, the Company believes that its disclosure controls and procedures are designed and are operating to provide reasonable assurances of achieving their objectives.

Based on their evaluation as of December 31, 2024, the Company's principal executive officer and principal financial officer have concluded that the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934) are effective to ensure that the information required to be disclosed by the Company in the reports that the Company files or submits under the Securities Exchange Act of 1934 is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms.

#### Management's Annual Report on Internal Control Over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rule 13a-15(f). Under the supervision and with the participation of the Company's management, including the Company's principal executive officer and principal financial officer, the Company conducted an evaluation of the effectiveness of the Company's internal control over financial reporting based on the framework in *Internal Control – Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission.

The audited financial statements of the Company included in this annual report on Form 10-K include the results of the acquisition of Enercon from its date of acquisition for accounting purposes. Management's assessment of internal control over financial reporting for the year ended December 31, 2024 does not include an assessment of Enercon, a majority owned subsidiary of the Company that was acquired during the year ended December 31, 2024. The financial statements of Enercon reflect total assets and net sales constituting 15.9% and 3.9%, respectively, of the related consolidated financial statement amounts as of and for the year ended December 31, 2024. Refer to Note 3, "*Acquisition and Divestiture*" for further discussion on the acquisition of Enercon.

Based on the Company's evaluation under the framework in *Internal Control – Integrated Framework (2013)*, the Company's management concluded that the Company's internal control over financial reporting was effective as of December 31, 2024.

Grant Thornton LLP has audited the effectiveness of the Company's internal control over financial reporting as of December 31, 2024 and has expressed an unqualified opinion on the effectiveness of our internal control over financial reporting as of December 31, 2024 in their report which is included in Item 8 herein.

#### Changes in Internal Controls Over Financial Reporting

Other than the exclusion of Enercon from management's assessment of internal control over financial reporting for the fiscal year ended December 31, 2024 as described above, there has not been any change in our internal control over financial reporting during the three months ended December 31, 2024 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

#### **Item 9B. Other Information**

##### Other Information – Restructuring

The discussion captioned "*Overview – Key Factors Affecting our Business – Restructuring*," as set forth in Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations," above, is hereby incorporated by reference into this Part II, Item 9B, of this Annual Report on Form 10-K.

##### Rule 10b5-1 Trading Arrangements and Non-Rule 10b5-1 Trading Arrangements

During the fiscal quarter ended December 31, 2024, none of our officers or directors, as those terms are defined in Rule 16a-1(f), adopted or terminated a "Rule 10b5-1 trading arrangement" or a "non-Rule 10b5-1 trading arrangement," as those terms are defined in Item 408 of Regulation S-K.

#### **Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections**

Not applicable.

### PART III

#### **Item 10. *Directors, Executive Officers and Corporate Governance***

The Registrant incorporates by reference herein the information to be set forth in its definitive proxy statement for its 2025 annual meeting of shareholders (the "Proxy Statement"), which will be filed no later than 120 days after December 31, 2024, that is responsive to the remaining information required with respect to this Item 10.

The Registrant has adopted a code of ethics for all of its associates, including directors, executive officers and all other senior financial personnel. The code of ethics, as amended from time to time, is available on the Registrant's website under Investors > Corporate Governance at <https://ir.belfuse.com/corporate-governance>. The Registrant will also make copies of its code of ethics available to investors upon request. Any such request should be sent by mail to Bel Fuse Inc., 300 Executive Drive, Suite 300, West Orange, NJ 07052 Attn: Lynn Hutkin, Vice President of Financial Reporting and Investor Relations, or should be made by telephone by calling Lynn Hutkin at 201-432-0463.

The Registrant intends to satisfy the disclosure requirement under Item 5.05 of Form 8-K regarding an amendment to, or a waiver from, a provision of its code of ethics that applies to the Registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions and that relates to any element of the code of ethics definition enumerated in paragraph (b) of Item 406 of the SEC's Regulation S-K, by posting such information on the Registrant's website, [www.belfuse.com](http://www.belfuse.com).

The Company has an insider trading policy governing the purchase, sale and other dispositions of the Company's securities that applies to all Company personnel, including directors, officers, employees, and other covered persons. The Company also follows procedures for the repurchase of its securities. The Company believes that its insider trading policy and repurchase procedures are reasonably designed to promote compliance with insider trading laws, rules and regulations, and listing standards applicable to the Company. A copy of the Company's insider trading policy is filed as Exhibit 19.1 to this Form 10-K.

#### **Item 11. *Executive Compensation***

The Registrant incorporates by reference herein information to be set forth in the Proxy Statement that is responsive to the information required with respect to this Item 11.

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters**

The Registrant incorporates by reference herein information to be set forth in the Proxy Statement that is responsive to the remaining information required with respect to this Item 12.

The table below depicts the securities authorized for issuance under the Company's equity compensation plans as of December 31, 2024.

**Equity Compensation Plan Information**

Plan Category	Number of Securities to be Issued Upon Exercise of Outstanding Options, Warrants and Rights	Weighted-Average Exercise Price of Outstanding Options, Warrants and Rights	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders: 2020 Equity Compensation Plan	-	\$ -	473,764
Equity compensation plans not approved by security holders	-	-	-
Totals	<u>-</u>	<u>\$ -</u>	<u>473,764</u>

**Item 13. Certain Relationships and Related Transactions, and Director Independence**

The Registrant incorporates by reference herein information to be set forth in the Proxy Statement that is responsive to the information required with respect to this Item 13.

**Item 14. Principal Accountant Fees and Services**

The Registrant incorporates by reference herein information to be set forth in the Proxy Statement that is responsive to the information required with respect to this Item 14.

## PART IV

### Item 15.

#### *Exhibits and Financial Statement Schedules*

(a) Documents filed as a part of this Annual Report on Form 10-K:

(1) Financial Statements (See Index to Consolidated Financial Statements in Item 8 of this Form 10-K).

(2) Financial Statement Schedules: See Schedule II: Valuation and Qualifying Accounts

(3) Exhibits (The exhibits listed in the accompanying Exhibit Index immediately following below are filed as part of, or incorporated by reference into, this Annual Report on Form 10-K).

(b) Exhibits: See Item 15(a)(3) as set forth above and the Exhibit Index below.

(c) Financial Statement Schedules: See Item 15(a)(2) as set forth above.

#### Exhibit No.:

- |       |  |
|-------|--|
| 2.1#  | Share Purchase Agreement, dated as of September 19, 2024, by and among Bel Fuse Inc., Enercon Technologies Ltd., and the Shareholders of Enercon Technologies Ltd., is incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed on September 24, 2024.   |
| 3.1   | (i) Restated Certificate of Incorporation, as amended, is incorporated by reference to Exhibit 3.1 of the Company's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 1998 filed on August 11, 1998 and (ii) the Certificate of Amendment to the Company's Restated Certificate of Incorporation, is incorporated by reference to Exhibit 3.2 of the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 1999 filed on March 29, 2000.           |
| 3.2   | Amended and Restated By-Laws of Bel Fuse Inc. (Adopted October 25, 2023), are incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on October 25, 2023.  |
| 4.1*  | Description of Securities.   |
| 10.1† | 2020 Equity Compensation Plan, as amended, is incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on June 12, 2020.  |
| 10.2† | Amended and Restated Bel Fuse Supplemental Executive Retirement Plan, dated as of April 17, 2007. Filed as Exhibit 10.1 to the Company's Current Report on Form 8-K filed on April 23, 2007 and incorporated herein by reference.  |
| 10.3† | 2011 Equity Compensation Program. Incorporated by reference to the Registrant's proxy statement for its 2011 annual meeting of shareholders.   |
| 10.4  | First Amendment Agreement, dated as of January 12, 2023, to Amended and Restated Credit and Security Agreement, dated as of September 2, 2021, by and among Bel Fuse Inc., as Borrower, KeyBank National Association, as Administrative Agent, Swing Line Lender and Issuing Lender, and the other lenders identified therein, is incorporated by reference to Exhibit 10.4 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2022 filed on March 10, 2023. |
| 10.5  | Second Amendment Agreement, dated September 18, 2024, to Amended and Restated Credit and Security Agreement, dated as of September 2, 2021, by and among Bel Fuse Inc., as the borrower, KeyBank National Association, as administrative agent, swing line lender and issuing lender, and the other lenders identified therein, as amended, is incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on September 24, 2024.                            |

- 10.6 Third Amendment Agreement, dated November 14, 2024, to Amended and Restated Credit and Security Agreement, dated September 2, 2021, by and among Bel Fuse Inc., as the borrower, KeyBank National Association, as administrative agent, swing line lender and issuing lender, and the other lenders identified therein, as amended, is incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on November 20, 2024.
- 10.7# Conformed Amended and Restated Credit and Security Agreement, dated as of September 2, 2021 (reflecting changes thereto pursuant to First Amendment Agreement dated as of January 12, 2023, Second Amendment Agreement dated as of September 18, 2024, and Third Amendment Agreement dated as of November 14, 2024), by and among Bel Fuse Inc., as the borrower, KeyBank National Association, as administrative agent, swing line lender and issuing lender, and the other lenders identified therein, is incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on November 20, 2024.
- 10.8 ISDA Master Agreement, by and between Bel Fuse Inc. and PNC Bank, National Association, dated as of November 10, 2021, is incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on December 10, 2021.
- 10.9 ISDA Master Agreement, by and between Bel Fuse Inc. and KeyBank National Association, dated as of November 16, 2021, is incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on December 10, 2021.
- 10.10 Amended Confirmation of Transaction, by and between Bel Fuse Inc. and PNC Bank, National Association, dated as of January 18, 2023, is incorporated by reference to Exhibit 10.8 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2022 filed on March 10, 2023.
- 10.11 Amended Confirmation of Transaction, by and between Bel Fuse Inc. and KeyBank National Association, dated as of January 18, 2023, is incorporated by reference to Exhibit 10.9 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2022 filed on March 10, 2023.
- 10.12 Consulting Agreement, dated October 15, 2021, by and between Bel Fuse Inc. and HR Asset Partners, is incorporated by reference to Exhibit 10.9 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2021 filed on March 14, 2022.
- 10.13† Employment Agreement, dated as of May 6, 2022, by and between Bel Fuse Inc. and Farouq Tuweiq, is incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2022 filed on May 6, 2022.
- 10.14† Offer Letter, dated July 27, 2022, between Bel Fuse Inc. and Kenneth Lai, is incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2022 filed on November 4, 2022.
- 10.15† Offer Letter, dated October 25, 2022, between Bel Fuse Inc. and Suzanne Kozlovsky, is incorporated by reference Exhibit 10.13 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2022 filed on March 10, 2023.
- 10.16† Offer Letter, dated November 27, 2023, and effective July 1, 2024 between Bel Fuse Inc. and Steve Dawson, is incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2024 filed on July 31, 2024.
- 10.17# Shareholders' Agreement, dated November 14, 2024, by and among Bel Power Solutions s.r.o., FF3 Holdings, L.P., and Enercon Technologies Ltd., is incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on November 20, 2024.
- 10.18† Amended and Restated Employment Agreement, dated as of February 3, 2025, by and between Bel Fuse Inc. and Farouq Tuweiq, is incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on February 7, 2025.

10.19†	Letter Agreement Regarding Transition Services, dated as of February 3, 2025, by and between Bel Fuse Inc. and Daniel Bernstein, is incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed on February 7, 2025.
10.20†	Letter Agreement Regarding Non-Executive Chairman Services, dated as of February 3, 2025, by and between Bel Fuse Inc. and Daniel Bernstein, is incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed on February 7, 2025.
10.21†	Israeli Appendix to the Bel Fuse Inc. 2020 Equity Compensation Plan, is incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed on February 18, 2025.
19.1*	Bel Fuse Inc. Policy on Insider Trading
21.1*	Subsidiaries of the Registrant.
23.1*	Consent of Independent Registered Public Accounting Firm (Grant Thornton LLP).
24.1*	Power of attorney (included on the signature page).
31.1*	Certification of the Principal Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2*	Certification of the Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1**	Certification of the Principal Executive Officer pursuant to Section 906 of the Sarbanes - Oxley Act of 2002.
32.2**	Certification of the Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
97.1†	Bel Fuse Inc. Compensation Recovery Policy, is incorporated by reference to Exhibit 97.1 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2023 filed on March 11, 2024.
101.INS*	Inline XBRL Instance Document
101.SCH*	Inline XBRL Taxonomy Extension Schema Document
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104*	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

\* Filed herewith.

\*\* Submitted herewith.

† Management contract or compensatory plan or arrangement.

# Annexes, schedules and/or exhibits have been omitted pursuant to Item 601(a)(5) of Regulation S-K. The Company hereby agrees to furnish supplementally a copy of any omitted attachment to the SEC on a confidential basis upon request.

#### Item 16. *Form 10-K Summary*

None.

## SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BEL FUSE INC.  
(Registrant)

By: /s/ Daniel Bernstein  
Daniel Bernstein  
*President and Chief Executive Officer*

Date: February 28, 2025

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Daniel Bernstein and Farouq Tuweiq as his/her attorney-in-fact and agent, with full power of substitution and resubstitution, for him/her and in his/her name, place, and stead, in any and all capacities, to sign and file any and all amendments to this Annual Report on Form 10-K, with all exhibits thereto and hereto, and other documents with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he/she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Signature	Title	Date
<u>/s/ Daniel Bernstein</u> Daniel Bernstein	President, Chief Executive Officer and Director <i>(Principal Executive Officer)</i>	February 28, 2025
<u>/s/ Peter Gilbert</u> Peter Gilbert	Director	February 28, 2025
<u>/s/ David Valletta</u> David Valletta	Director	February 28, 2025
<u>/s/ Mark Segall</u> Mark Segall	Director	February 28, 2025
<u>/s/ Eric Nowling</u> Eric Nowling	Director	February 28, 2025
<u>/s/ Vincent Vellucci</u> Vincent Vellucci	Director	February 28, 2025
<u>/s/ Thomas E. Dooley</u> Thomas E. Dooley	Director	February 28, 2025
<u>/s/ Rita V. Smith</u> Rita V. Smith	Director	February 28, 2025
<u>/s/ Jacqueline Brito</u> Jacqueline Brito	Director	February 28, 2025
<u>/s/ Farouq Tuweiq</u> Farouq Tuweiq	Chief Financial Officer <i>(Principal Financial Officer)</i>	February 28, 2025

## SUBSIDIARIES OF THE REGISTRANT

<u>Subsidiary</u>	<u>Jurisdiction of Organization</u>
Bel Power Solutions Germany GmbH	Germany
Bel Components Ltd.	Hong Kong
Bel Connector Inc.	Delaware
Bel Fuse (Macao Commercial Offshore) Limited	Macao
Bel Fuse Limited	Hong Kong
Bel Guangxi Electronics Co. Ltd.	PRC
Bel Power (Hangzhou) Co. Ltd.	PRC
Bel Power Europe S.r.l.	Italy
Bel Power Inc.	Massachusetts
Bel Power Solutions GmbH	Switzerland
Bel Power Solutions Inc.	Delaware
Bel Power Solutions Ireland Limited	Ireland
Bel Power Solutions s.r.o.	Slovakia
Bel Sales (Hong Kong) Ltd.	Hong Kong
Bel Stewart GmbH	Germany
Bel Transformer Inc.	Delaware
Bel Ventures Inc.	Delaware
BPS Asia Pacific Electronics (Shenzhen) Co. Ltd.	PRC
BPS Cooperatief U.A.	Netherlands
Cinch Connectivity Solutions LTD	England and Wales
Cinch Connectivity Solutions, Inc.	Delaware
Cinch Connectors de Mexico, S.A. de C.V.	Mexico
Cinch Connectors Limited	England and Wales
Continental Converters Corporation Pte. LTD	Singapore
Dongguan Transpower Electric Products Co., Ltd.	PRC
Elcatech Development LTD	Israel
Enercon Technologies LTD	Israel
Enercon Technologies Europe AG	Switzerland
EOS Power India Private Limited	India
Mil Power Converter Technologies India Private Limited	India
Mil Power Magnetics India Private Limited	India
Mil Power Source Inc.	United States
Multisphere Power Solutions Private Limited	India
PAI Capital LLC	Delaware
Shireoaks Worksop Holdings Ltd.	England and Wales
Signal Dominicana, S.R.L.	Dominican Republic
Stewart Connector Systems de Mexico, S.A. de C.V.	Mexico
Stratos International, LLC	Delaware
Stratos Lightwave LLC	Delaware
Stratos Lightwave-Florida LLC	Delaware
Transpower Cooperatief U.A.	Netherlands
Transpower Technologies (HK) Limited	Hong Kong
Trompeter Electronics, Inc.	Delaware
TRP Connector B.V.	Netherlands
TRP Connector Limited	Macao
TRP International*	PRC
Winsonko (Guangxi Pingguo) Electron Co., Ltd.	PRC

\* TRP International is a China Business Trust

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We have issued our reports dated February 28, 2025, with respect to the consolidated financial statements and internal control over financial reporting included in the Annual Report of Bel Fuse Inc. on Form 10-K for the year ended December 31, 2024. We consent to the incorporation by reference of said reports in the Registration Statements of Bel Fuse Inc. on Form S-3 (File No. 333-271817) and on Forms S-8 (File No. 333-180340 and File No. 333-239267).

/s/ GRANT THORNTON LLP

Iselin, New Jersey  
February 28, 2025

## CERTIFICATIONS

I, Daniel Bernstein, certify that:

1. I have reviewed this annual report on Form 10-K of Bel Fuse Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 28, 2025

/s/ Daniel Bernstein  
\_\_\_\_\_  
Daniel Bernstein  
President and Chief Executive Officer  
(Principal Executive Officer)

## CERTIFICATIONS

I, Farouq Tuweiq, certify that:

1. I have reviewed this annual report on Form 10-K of Bel Fuse Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 28, 2025

/s/ Farouq Tuweiq  
Farouq Tuweiq  
Chief Financial Officer  
(Principal Financial Officer)

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the annual report of Bel Fuse Inc. (the "Company") on Form 10-K for the year ended December 31, 2024 filed with the Securities and Exchange Commission (the "Report"), I, Daniel Bernstein, as President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the consolidated financial condition of the Company as of the dates presented and consolidated results of operations of the Company for the periods presented.

Date: February 28, 2025

/s/ Daniel Bernstein  
Daniel Bernstein  
President and Chief Executive Officer  
(Principal Executive Officer)

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the annual report of Bel Fuse Inc. (the "Company") on Form 10-K for the year ended December 31, 2024 filed with the Securities and Exchange Commission (the "Report"), I, Farouq Tuweiq, as Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the consolidated financial condition of the Company as of the dates presented and consolidated results of operations of the Company for the periods presented.

Date: February 28, 2025

/s/ Farouq Tuweiq  
Farouq Tuweiq  
Chief Financial Officer  
(Principal Financial Officer)

## CORPORATE INFORMATION

### DIRECTORS

Daniel Bernstein  
President and  
Chief Executive Officer  
Bell Fuse Inc.

Jacqueline Erito  
Chief Executive Officer  
HR Asset Partners LLC

Thomas Doolley  
Former Interim CEO and  
Chief Operating Officer  
Viacom Inc.

Peter Gilbert  
Former President and CEO  
Gilbert Manufacturing Co. Inc.

Eric Nowling  
Former Senior Vice President  
and Corporate Controller  
Verint Systems Inc.

Mark Segall  
Senior Managing Director  
Kidron Corporate Advisors LLC

Rita Smith  
Partner  
e-Suite Healthcare Advisors

David Valletta  
Former Executive Vice President  
- Worldwide Sales  
Vishay Intertechnology

Vincent Vallucci  
Former President of Americas  
Components  
Arrow Electronics, Inc.

### OFFICERS

Daniel Bernstein  
President and  
Chief Executive Officer

Farouq Tuweig  
Chief Financial Officer

Suzanne Kozlovsky  
Global Head of People

Steve Dawson  
President of Bell Power Solutions

Peter Bittner III  
President of Cinch Connectivity  
Solutions

Joseph Bazy  
President of Magnetic Solutions

Kenneth Lei  
Vice President of Asia Operations

Lynn Futkin  
Vice President of Financial  
Reporting & Investor Relations

### CORPORATE HEADQUARTERS

Bell Fuse Inc.  
300 Executive Drive  
Suite 300  
West Orange, NJ 07052 USA  
Tel: 201-432-0463

### TRANSFER AGENT

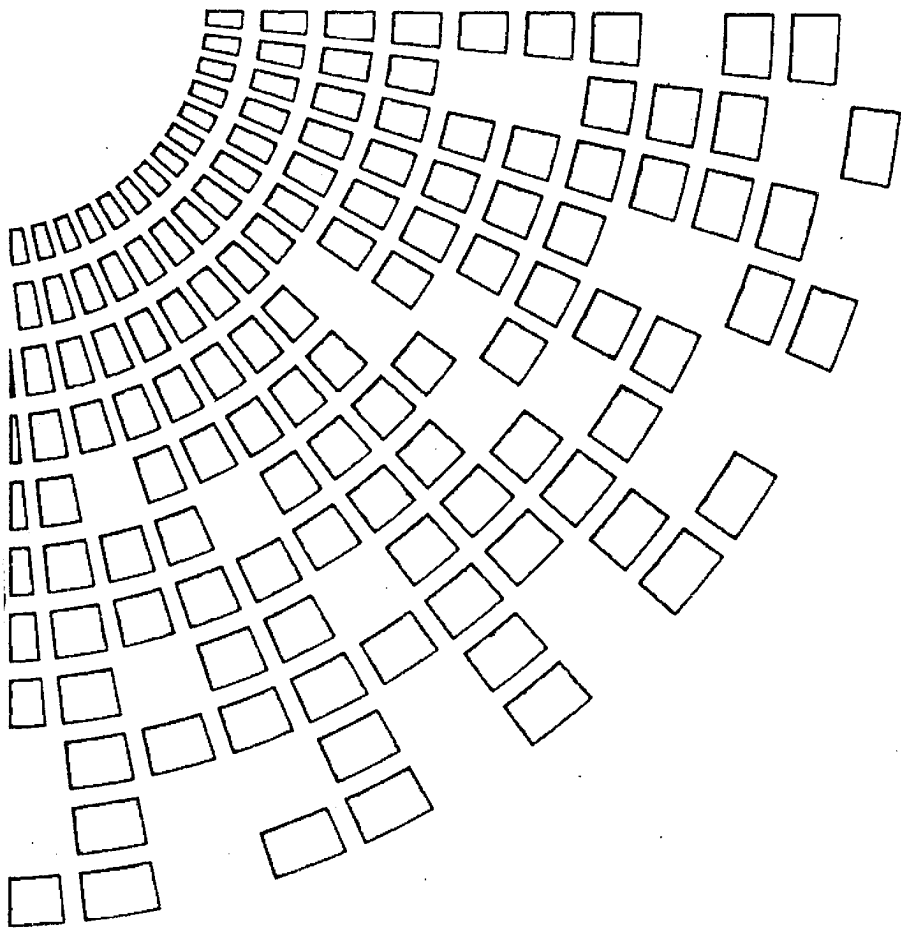
Continental Stock Transfer  
and Trust Company  
One State Street Plaza  
30th Floor  
New York, NY 10004  
Tel: 212-509-4000

### AUDITORS

Grant Thornton LLP  
Iselin, NJ

### INTERNET

[www.bellfuse.com](http://www.bellfuse.com)  
Bell Fuse Inc. is traded on  
the NASDAQ Global Select  
Market under the symbols  
BELFA and BELFB



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Suite 300  
West Orange, NJ 07052 USA  
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[www.belfuse.com](http://www.belfuse.com)