

# FINANCIAL HIGHLIGHTS





#### **EBITDA**





# OUR MISSION AND CORE VALUES

At CECO, our mission is to protect people, the environment, and industrial equipment. We aim to Win Right in everything we do.

#### TO WIN:

#### **Customer First**

We put our customers first in everything we do.

### **Accountable for Performance**

We are accountable for performance so we meet or exceed expectations.

#### **Passionate**

We are passionate so we inspire others.

#### TO DO IT THE RIGHT WAY:

#### **Respect and Teamwork**

We embrace respect and teamwork so our teams are more diverse and stronger.

## **Positive Energy**

We maintain positive energy to lean into challenges with the right attitude.

# **Respect for the Environment**

We have respect for the environment to ensure we safeguard our resources.





# DEAR SHAREHOLDERS,

At CECO Environmental we have always been passionate about serving our customers to help protect people, the environment, and their investment in industrial equipment. This customer-first passion has enabled CECO to establish global leadership positions in industrial air, industrial water, and energy transition markets. I am proud of our dedicated employees and global partners as we deliver meaningful value to customers and shareholders.

# 2021 – NAVIGATING DIFFICULT ENVIRONMENTS

2021 was an important year for CECO, and one that made us stronger. Our team of approximately 750 employees were relentless in their efforts to overcome supply chain and labor challenges associated with ongoing COVID-related market disruptions. No one could have predicted the duration and impact of the pandemic, but CECO has modified how we work internally and externally to maintain excellence and drive performance.

To ensure the company accelerates growth and profitability, in 2021 we reorganized our operating units into smaller, customer-facing business platforms. This flatter organizational design enables more nimble decision making with respect to people, process, and investments. Accountability is distributed among more leaders in the company, as

well as transparency with respect to performance. Our teams are energized by the platform structure.

We entered 2021 with a lower project backlog because of decreased orders in 2020, which were the result of COVIDrelated market conditions. The lower starting backlog in 2021 limited our ability to grow despite tremendous growth in new orders of approximately 30 percent throughout the year. As such, 2021 was CECO's "COVID year" - from a financial perspective - for much of the year. The fourth quarter did produce revenue growth versus the prior year, and we start 2022 with a significantly higher project backlog. Additionally, the company enacted price increases and cost actions to combat higher inflation in our supply chain. We expect those actions, along with solid execution from our nimbler platform structure, to deliver higher profitability going forward.

# WELL POSITIONED FOR GROWTH

CECO wins when our customers win. Every day our talented team of engineers, application specialists, functional experts, and generalists solve complex environmental challenges. Across industrial air, industrial water, and energy transition, we have established CECO and our brands as market leaders. CECO has one of the largest installed bases of solutions for air quality, separations technologies, water treatment, and fluid handling across multiple industries. While industry is constantly evolving, time and again customers turn to CECO to address critical needs. This foundation is firmly in place and an important aspect of CECO's ongoing growth.

Brand reputation and legacy position alone will not accelerate growth and performance. That is why we continue to invest to expand our resource capabilities, market access, and technology edge. In 2021, we launched our Advanced Analytical Services Team ("AAST") to expand into air quality monitoring services for critical industrial applications. We also announced numerous jobs in the energy transition arena - such as a large geothermal energy project - that demonstrates how CECO is positioning our solutions for the ongoing sustainable energy push. Additionally, we continue to hire talented resources to support current customers and help push into adjacent markets. These are just a few examples of the many areas of investment we are making to ramp up and sustain growth.

In mid-2021, we also outlined our longerterm vision for CECO. We believe we have ample opportunities to grow in our core markets. With strategic investments to drive above-market organic growth, coupled with accretive acquisitions and portfolio actions, we expect CECO to grow and produce strong shareholder returns more rapidly.



We also outlined that over the next few years we aim to steadily increase the percentage of CECO's sales from more recurring and shorter-cycle businesses. In 2021, we already started to drive higher growth in these areas, and we expect that much of our future acquisitions will add balance to our business mix.

# ENVIRONMENT, SOCIAL AND GOVERNANCE

In early 2022, we will publish CECO's inaugural Environmental, Social and Governance ("ESG") Report. We are proud of our ongoing efforts to minimize our environmental footprint associated with our operations. At the same time, our fingerprints are associated with solving some of industries' most difficult challenges. We look forward to sharing examples and data and outlining CECO's commitments to continue being a good steward of our natural environment.

With respect to Social and Governance, CECO has long been committed to an environment that incorporates diversity, advances talent and development, and maintains strong processes around controls and transparency. We have zero tolerance for discrimination, unethical business practices, or short-cuts that have no place in the workplace. Our employees are regularly trained on best practices with respect to business ethics and conduct. These are just some of the many areas we will highlight when we publish CECO's first ESG Report.

### **DRIVING WITH PURPOSE**

CECO is a purpose-driven organization. We protect people, the environment, and industrial equipment. We are also focused on and committed to driving higher performance. Our talented and diverse team has navigated the challenges of the past few years and tirelessly delivered for our customers. I am proud to help lead this team.

In summary, I want to thank each of our shareholders for your support and confidence in the CECO team. We are working hard to advance our leadership positions across key markets and serve our customers. We are committed to delivering more sustainable growth, profitability, and shareholder value.

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Sincerely,

Todd R. Gleason
Chief Executive Officer
CECO Environmental

"While industry is constantly evolving, time and again customers turn to CECO to address critical needs. This foundation is firmly in place and an important aspect of CECO's ongoing growth."

# **ESG HIGHLIGHTS**

In 2020, we shared that CECO was embarking on a journey to share our Environmental, Social and Governance (ESG) story and build on it. At the time, we were only beginning to communicate what the company has always considered central to our culture as it relates to environmental protection, social justice and ethical management. This year, we're excited to publish our inaugural ESG report, which builds off our long-standing focus around protecting people, the environment and industrial equipment.

The report is a deeper look into how industry-leading products and services ensure our customers meet or exceed environmental regulations and targets. And CECO's mission and values have long empowered our employees and partners to embrace the central tenants of ESG and what it represents. We are early in our formal ESG journey, but it has already strengthened our resolve to make a positive impact. The formation of our Executive ESG Steering Committee brought together representatives from each of CECO's businesses and functions. This collaboration has strengthened our team alignment and will drive a focused investment in CECO's future ESG initiatives. We realize our journey is far from complete, but we are excited to share some of the many ways we are dedicated to advancing our ESG program to benefit all stakeholders.



#### **ENVIRONMENTAL**

Our mission is to help companies grow their business with clean, safe, and more efficient solutions that help protect our shared environment. As we embark on our ESG journey, we recognize our responsibility to minimize adverse impacts of our own activities, just as our teams help customers around the world achieve economic growth while eliminating harmful emissions that affect the air we all breathe.

We are committed to dedicating resources to track energy use, greenhouse gas emissions, and waste production at all CECO facilities to establish a baseline of our impact. CECO is committed to establishing measurable objectives and targets to ensure continued improvement aimed at the elimination of waste, pollution, environmental harm and threats to human health. Here are several highlights from our ESG report of our accomplishments:

- Reduced energy consumption in our manufacturing facilities over the last three years, up to 51 percent by switching to LED light fixtures, installing timers and motion sensors, and upgrading to efficient manufacturing machinery.
- Invested in recycling programs across office and manufacturing operations, including repurposing scrap metal and acetone, and installed filtration water systems that diverted 12,230 plastic bottles from landfills.
- Began efforts to reduce greenhouse gas emissions by replacing diesel trucks with compressed natural gas vehicles and shifting more employees to a flexible or permanent virtual work environment.
- Expanded the number of facilities that achieve ISO 14001 certification.

#### **SOCIAL**

As a global company, we recognize that having a diverse team of employees helps make us innovative, collaborative and a great place to work. We want all employees to feel accepted, regardless of their race, gender, sexual orientation, beliefs or culture. To continually grow as a company and drive innovation and operational excellence, we strive to identify, attract, retain and motivate world-class talent. We believe that CECO is only as good as its people, which inspires us to invest in our employees and help them succeed in their careers, while providing a safe workplace through our commitment to protocols and processes that create a zero-incident culture. Here are a few highlights from our report:

- Quickly formed a COVID Task Force in response to the surging pandemic to develop safety protocols and policies, create communications campaigns to drive awareness, and implement an Emergency Paid Pandemic Leave policy to ensure that anyone who was sick was able to stay home.
- Implemented policies and training programs, and launched a proactive program of safety scorecards and best practice sharing between manufacturing sites.
- Launched the CECO Living WELL@
   Work program, which encourages CECO employees to live healthier lives, providing tools for best work practices as well as tips for employee well-being.
- Grew investment toward employee development initiatives that provide employees and leaders with the tools and skills they need to succeed and advance both personally and professionally.
- Set goals to strengthen our diversity, equity and inclusion (DEI) commitments and management plan, implemented training to raise awareness of unconscious bias and further promote personal and professional development, and initiated efforts to attract and build a more diverse workforce by expanding job postings on career websites and job boards that appeal to diverse groups of people.

#### **GOVERNANCE**

We pride ourselves on developing and maintaining a strong reputation of integrity, honesty, fairness, and accountability. We strive to incorporate the letter and spirit of these four principles into our actions as we deliver on our commitments to each other, our customers, business partners. stockholders, and the communities where we do business. Having strong corporate governance reinforces the foundation of our values and sets our standard for conducting ethical business practices so that we can continue our 150-year-old tradition of helping companies grow their business with clean, safe, and more efficient solutions that help protect our shared environment. Following are a few highlights from our report:

- Robust set of practices and policies to ensure that our team is operating with integrity, honesty, fairness and accountability, including our Code of Business Conduct and Ethics, for which all employees are required to be trained as part of onboarding and every year.
- Our Human Rights Policy reinforces our commitment to treating all people with dignity and respect.
- Employees and any external party can report concerns to CECO's anonymous Ethics Hotline.
- Required cybersecurity awareness training for all employees to protect the company from attempts to disrupt or harm the business.
- Regular training for employees that reinforces policies such as sexual harassment and anti-bullying, confidentiality, data privacy, antitrust, conflicts of interest, and record management and document retention.
- Dedicated internal audit team that created and implemented a company-wide training module that coincided with the publication of our Anti-Corruption & Anti-Bribery Policy.

# **CUSTOMER HIGHLIGHTS**

These projects represent just a few examples from the CECO portfolio that support CECO's mission to protect people, the environment, and industrial equipment.



# Reducing Noise For Reneweable Energy Power Generators

#### PRODUCT:

Aarding Gas Turbine Single Cycle Exhaust Duct Systems, Burgess-Aarding Gas Turbine Silencer

#### SOLUTION:

Reduces noise levels and emissions, meeting stringent environmental regulations. Protects gas turbine systems from stresses caused by high cycling and extreme temperatures.



Turnkey solutions from design, fabrication, and install



Provides environmental compliance and ability to support increase in renewable energy sources



# Protecting Steam Turbines For Geothermal Power Generators

#### PRODUCT:

Peerless Multi-Cyclone Scrubber Centrifugal Separators

#### SOLUTION:

Removes moisture from steam to achieve highest-quality steam dryness of 99.98%.



Provides low total cost of ownership with high-efficiency fluid removal



Ensures maximum protection and increased operational efficiency of steam turbines



# Enabling Safer, Cleaner, More Efficient Operations At Natural Gas Power Plant

#### PRODUCT:

Peerless Selective Catalytic Reduction (SCR) technology for NOx emissions

#### SOLUTION:

Upgrades operational emissions control system to improve safety and efficiency. Converts the system to a safer reagent for the SCR process. The unique low-pressure drop of SCR technology will reduce the back pressure on the gas turbine, providing increased output and reducing emissions.



Improves safety for personnel and surrounding communities



Reduces NOx emissions to the most stringent permit levels

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

# FORM 10-K

# CECO ENVIRONMENTAL CORP.



Delaware (State or other jurisdiction of incorporation or organization)

14651 North Dallas Parkway

13-2566064 (I.R.S. Employer Identification No.)

Suite 500
Dallas, Texas
(Address of principal executive offices)

75254 (Zip Code)

Registrant's telephone number, including area code: (214) 357-6181

Securities registered under Section 12(b) of the Act:

Title of each class		Trading Symbol	Name of each exchange on which registered		
	Common Stock, par value \$0.01 per share	CECE	The NASDAQ Stock Market LLC		

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 \(\sigma\) No \(\sigma\)
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 $\boxtimes$ No $\square$

the Exchange Act.

Large Accelerated Filer 

Non-Accelerated Filer 

Smaller reporting company

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

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  $\boxtimes$ 

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  $\square$  No  $\boxtimes$ 

The aggregate market value of voting and non-voting common stock held by non-affiliates of the registrant was \$173.9 million based upon the closing market price and shares of common stock outstanding as of June 30, 2021, the last business day of our most recently completed second fiscal quarter. For the purpose of the foregoing calculation only, all directors and executive officers of the registrant and owners of more than 10% of the registrant's common stock are assumed to be affiliates of the registrant. This determination of affiliate status is not necessarily conclusive for any other purpose.

As of February 28, 2022, the registrant had 35,047,612 shares of common stock, par value \$0.01 per share, outstanding.

#### **Documents Incorporated by Reference**

Portions of the definitive Proxy Statement for the 2022 Annual Meeting of Stockholders, which is to be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended December 31, 2021, are incorporated by reference into Part III of this Annual Report to the extent described herein.

CECO Environmental Corp. and Subsidiaries ANNUAL REPORT ON FORM 10-K For the year ended December 31, 2021

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#### CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K includes forward-looking statements within the meaning of the Securities Act of 1934 (the "Exchange Act") which are intended to be covered by the safe harbor for "forward-looking statements" provided by the Private Securities Litigation Reform Act of 1995. Any statements contained in this Annual Report on Form 10-K, other than statements of historical fact, including statements about management's beliefs and expectations, are forward-looking statements and should be evaluated as such. These statements are made on the basis of management's views and assumptions regarding future events and business performance. We use words such as "believe," "expect," "anticipate," "intends," "estimate," "forecast," "project," "will," "plan," "should" and similar expressions to identify forward-looking statements. Forward-looking statements involve risks and uncertainties that may cause actual results to differ materially from any future results, performance or achievements expressed or implied by such statements. Potential risks and uncertainties, among others, that could cause actual results to differ materially are discussed under "Part I — Item 1A. Risk Factors" of this Annual Report on Form 10-K and include, but are not limited to:

- the sensitivity of our business to economic and financial market conditions generally and economic conditions in CECO's service areas:
- dependence on fixed price contracts and the risks associated therewith, including actual costs exceeding estimates and method of accounting for revenue;
- the effect of growth on CECO's infrastructure, resources and existing sales;
- the ability to expand operations in both new and existing markets;
- the potential for contract delay or cancellation as a result of on-going or worsening supply chain challenges;
- liabilities arising from faulty services or products that could result in significant professional or product liability, warranty or other claims;
- changes in or developments with respect to any litigation or investigation;
- failure to meet timely completion or performance standards that could result in higher cost and reduced profits or, in some cases, losses on projects;
- the potential for fluctuations in prices for manufactured components and raw materials, including as a result of tariffs and surcharges;
- the substantial amount of debt incurred in connection with our strategic transactions and our ability to repay or refinance it or incur additional debt in the future:
- the impact of federal, state or local government regulations;
- our ability to repurchase shares of our common stock and the amounts and timing of repurchases, if any;
- economic and political conditions generally;
- our ability to successfully realize the expected benefits of our restructuring program;
- our ability to successfully integrate acquired businesses and realize the synergies from strategic transactions; and
- unpredictability and severity of catastrophic events, including cybersecurity threats, acts of terrorism or outbreak of war or hostilities or public health crises, such as uncertainties regarding the extent and duration of impacts of matters associated with the novel coronavirus ("COVID-19"), as well as management's response to any of the aforementioned factors.

Many of these risks are beyond management's ability to control or predict. Should one or more of these risks or uncertainties materialize, or should any related assumptions prove incorrect, actual results may vary in material aspects from those currently anticipated. Investors are cautioned not to place undue reliance on such forward-looking statements as they speak only to our views as of the date the statement is made. Furthermore, the forward-looking statements speak only as of the date they are made. Except as required under the federal securities laws or the rules and regulations of the Securities and Exchange Commission (the "SEC"), we undertake no obligation to update or review any forward-looking statements, whether as a result of new information, future events or otherwise.

#### PART I

#### Item 1. Business

#### General

CECO Environmental Corp. ("CECO," "we," "us," or the "Company") is a leading environmentally focused, diversified industrial company whose solutions protect people, the environment, and industrial equipment. We focus on engineering, designing, building, and installing systems that capture, clean and destroy air- and water-borne emissions from industrial facilities as well as fluid handling, gas separation, and filtration systems. CECO provides innovative technology and application expertise that helps companies grow their businesses with safe, clean, and more efficient solutions to protect our shared environment.

CECO serves diverse industries globally by working to improve air and water quality, protect customer's equipment, and provide customized engineered solutions in our customers' mission critical applications. The industries CECO serves include power generation, petrochemical processing, general industrial, refining, midstream oil & gas, electric vehicle production, poly silicon fabrication, battery recycling, and wastewater treatment, along with a wide range of other industries.

CECO has over \$6 billion of installed equipment with end users, which we target to expand and grow a higher recurring revenue of aftermarket products and services.

Our customers include some of the largest natural gas processors, transmission and distribution companies, refineries, power generators, industrial manufacturing, engineering and construction companies, semiconductor manufacturers, compressor manufacturers, beverage can manufacturers, metals and minerals, and electric vehicle producers in the world.

We believe our value differentiators include, but are not limited to, our product quality, reliability, on-time delivery and safety, supported by advanced engineering and operational excellence. We believe these are critical in maintaining our competitive position and have adopted a spirit of continuous improvement to ensure we maintain our market leadership position.

# Industry Overview

We serve a growing \$5 billion dollar global market that is highly fragmented and serves various end markets including power generation, petrochemical processing, general industrial, refining, oil & gas, electric vehicle production, poly silicon fabrication, battery recycling, and wastewater treatment, along with a wide range of other industries.

We believe demand for our products and services will continue to be driven by the following factors:

- Global Focus on Environment. Increased demand for efficient solutions and reduced emissions for clean air and water remains at the forefront of sustainable production. As our customers and end markets navigate this changing landscape, we are making production cleaner, more efficient and flexible, and workplaces safer, using the same high manufacturing standards our customers expect. Increasingly, society, along with government regulation, call for corporations to commit to the preservation and protection of the environment. We believe that through our air and water quality and emissions control initiatives, companies want to work with us to protect people and our planet from the harmful effects of industrial processes.
- Global Economic Conditions. The Company's businesses are impacted by economic conditions around the globe. Higher economic growth and other factors that would increase industrial gross domestic product and capital expenditures are projected to impact the markets the Company serves and could affect the Company's businesses by increasing demand for the Company's products and services.
- Worldwide Industrialization. Global trade has increased significantly over the last decade and is driven by growth in emerging markets, including China and India, as well as other developing nations in Asia and the Europe, Middle East, and Africa ("EMEA") region. As a result of globalization, manufacturing that was historically performed domestically continues to migrate to lower cost countries. This movement of the manufacture of goods throughout the world increases demand for industrial ventilation products as new construction continues. We expect that more rigorous environmental regulations will be introduced to create a cleaner working environment and reduce environmental emissions as these economies evolve.
- Natural Gas Infrastructure. The natural gas industry consists of the exploration, production, processing, transportation, storage and distribution of natural gas. The International Energy Association ("IEA") projects a pronounced shift in Organization for Economic Cooperation and Development ("OECD") countries away from oil and coal towards natural

gas and renewables. Natural gas continues to be the fuel of choice for the electrical power and industrial sectors in many of the world's regions, in part because of its lower carbon intensity compared with coal and oil, which makes it an attractive fuel source in countries where governments are implementing policies to reduce greenhouse gas emissions.

- Power Generation. Power generation encompasses a broad range of activities related to the production of electricity. The primary types of fossil fuels used to generate electricity are coal, natural gas, solar, wind and nuclear. In the United States, concerns about potential environmental regulations enhance the attractiveness of natural gas-fired power plants compared with coal-fired power plants, which generally have higher pollutant emission rates than natural gas-powered plants. Natural gas-fired power plants have lower initial capital needs and are more flexible in terms of operating times than coal plants. The transition to hydrogen and other clean fuels (such as liquefied natural gas, liquefied petroleum gas, and renewable natural gas) to generate power are in their infancy but will be part of the energy transition over the next decade. These fuels will require exhaust emissions control in the form of water and air quality solutions.
- Refining, Oil Production and Petrochemical Processing. Refining, oil production and petrochemical processing involves the producing, refining and processing of fuels and chemicals for use in a variety of applications, such as gasoline, fertilizers and plastics. In response to increasing international demand for petrochemicals and refined products, companies are producing more products from new sources, constructing new refineries and petrochemical processing facilities as well as expanding existing facilities. In many cases, these new and expanded facilities must comply with stricter environmental regulations, which influence both choice of fuel and demand for systems to control exhaust emissions.
- Stringent Regulatory Environment. The adoption of increasingly stringent environmental regulations globally requires businesses to pay strict attention to environmental protection. Businesses and industries of all types from refineries, power, chemical processes, metals and minerals, energy market and industrial manufacturing must comply with these various international, federal, state and local government regulations or potentially face substantial fines or be forced to suspend production or alter their production processes. These increasingly stringent environmental regulations are a principal factor that drives our business.

These factors, individually or collectively, tend to cause increases in industrial capital spending that are not directly impacted by general economic conditions, expansion, or capacity increases. In contrast, favorable conditions in the economy generally lead to plant expansions and the construction of new industrial sites. However, in a weak economy, customers tend to lengthen the time from their initial inquiry to the purchase order or defer purchases.

#### Mission and Strategy

Our mission is to help companies grow their business with safe, clean and more efficient solutions that help protect people, our shared environment and industrial equipment.

We seek to fulfill this mission through established global leadership in air quality and water treatment solutions focused on serving a diversified set of niche markets around the world. We will continue to leverage our innovative technology and application expertise to customers around the world. We work to improve air and water quality, protect customer's equipment, and provide custom engineered solutions for applications including power generation, petrochemical processing, general industrial, refining, midstream oil & gas, electric vehicle production, poly silicon fabrication, battery recycling, and wastewater treatment along with a wide range of other applications.

Our strategy to become the global leader in air quality and water treatment solutions is to drive an operating environment of performance excellence across the Company with a near term focus on targeted value creation enablers, and growth-oriented business segment performance.

We constantly look for opportunities to gain new customers and penetrate geographic locations and end markets with existing products and services or acquire new product or service opportunities. We intend to continue to expand our customer base and end markets and have continued to pursue potential attractive growth opportunities both domestically and internationally. In the past few years, we have expanded our international presence with new sales & engineering hubs in the United Kingdom, Shanghai, Singapore, Pune India, and Dubai.

#### **Business Segments:**

During the first quarter of 2021, management determined that a realignment of the Company's segments was necessary to better reflect the solutions we provide, and the end markets we serve. As a result of this realignment, we combined the operating results of the prior

Industrial Solutions segment and the Fluid Handling Solutions segment into a single reportable segment named the Industrial Process Solutions segment. Additionally, the Energy Solutions segment was renamed the Engineered Systems segment.

Our reportable segments continue to be focused on attractive end markets and each segment is aligned to generate profitable growth for the Company with a compelling technology and solution set to benefit customers.

- Engineered Systems segment: Our Engineered Systems segment, formerly known as the Energy Solutions segment, serves the power generation, refinery, water/wastewater and midstream oil & gas markets. We are a key part of helping meet the global demand for environmental and equipment protection through our highly engineered platforms including emissions management, fluid bed cyclones, thermal acoustics, separation & filtration, and dampers & expansion joints.
- Industrial Process Solutions segment: Our Industrial Process Solutions segment is the combination of the segments formerly known as our Industrial Solutions segment and our Fluid Handling Solutions segment, which serves the broad industrial air pollution control, beverage can, fluid handling, electric vehicle production, food and beverage, semi-conductor, process filtration, pharmaceutical, petrochemical, wastewater treatment, wood manufacturing, desalination, and aquaculture markets. We protect the air we collectively breathe, maintain clean and safe operations for employees, lower energy consumption, minimize waste for customers, and ensure they meet regulatory compliance standards for toxic emissions, fumes, volatile organic compounds and odors through our platforms including duct & installation, industrial air, and fluid handling.

#### Competitive Strengths

Leading market position as a complete solution provider. We believe we are a leading provider of critical solutions in industrial air quality and water treatment. The multi-billion dollar global market is highly fragmented with numerous small and regional contracting firms separately supplying engineering services, fabrication, installation, testing and monitoring, products and spare parts. We offer our customers a complete end-to-end solution, including engineering and project management services, procurement and fabrication, construction and installation, aftermarket support, and sale of consumables, which allows our customers to avoid dealing with multiple vendors when managing projects.

Long-standing experience and customer relationships in growing industry. We have serviced the needs of our target markets for over 50 years. Our extensive experience and expertise in providing diversified solutions enhances our overall customer relationships, and provides us with a competitive advantage in our markets relative to other companies in the industry. We believe this is evidenced by strong relationships with many of our world-class customers. We believe no single competitor has the resources to offer a similar portfolio of product and service capabilities. We offer the depth of a large organization, while our lean organizational structure keeps us close to our customers and markets, allowing us to offer rapid and complete solutions in each unique situation.

Global diversification and broad customer base. The global diversity of our operations and customer base provides us with multiple growth opportunities. As of December 31, 2021, we had a diversified customer base of approximately 6,500 active customers across a range of industries. We believe that the diversity of our customers and end markets mitigates our risk of a potential fluctuation or downturn in demand from any individual industry or particular customer. We believe we have the resources and capabilities to meet the needs of our customers as they upgrade and expand domestically as well as into new international markets. Once systems have been installed and a relationship has been established with the customer, we are often awarded repetitive service and maintenance business as the customers' processes change and modifications or additions to their systems become necessary.

Experienced management and engineering team. Our senior management team has substantial experience in industrial air quality and water treatment solutions. The business experience of our management team enables us to pursue our strategy. Our workforce includes approximately 250 engineers, designers, solution experts, and project managers whose significant specialized industry experience and technical expertise enables them to have a deep understanding of the solutions that will best suit the needs of our customers. The experience and stability of our management, operating and engineering teams have been crucial to our growth, developing and maintaining customer relationships, and increasing our market share.

Develop innovative solutions. We leverage our engineering and manufacturing expertise and strong customer relationships to develop new customized products to address the identified needs of our customers or a particular end market. We thoroughly analyze new product opportunities by considering projected demand for the product or service, price point, and expected operating costs, and only pursue those opportunities that we believe will contribute to earnings growth in the near-term. In addition, we continually improve our traditional technologies and adapt them to new industries and processes.

Disciplined acquisition program with successful integration. We believe that we have demonstrated an ability to successfully acquire and integrate companies with complementary product or service offerings. We will continue to seek and execute additional strategic

acquisitions and focus on expanding our product service and breadth, as well as entering into new adjacent markets. We believe that the breadth and diversity of our products and services and our ability to deliver full solutions to various end markets provides us with multiple sources of stable growth and a competitive advantage relative to other players in the industry.

#### **Products and Services**

We provide a wide spectrum of products and services including dampers and diverters, selective catalytic reduction and selective non-catalytic reduction systems, cyclonic technology, thermal oxidizers, filtration systems, scrubbers, water treatment and fluid handling equipment, and plant engineering services and engineered design build fabrication. Our products primarily compete on the basis of price, performance, speed of delivery, quality, customer support and single source.

### Project Design and Research and Development

We start by understanding our customers' needs and delivering better outcomes for them by focusing new product development efforts that help protect our shared environment while working to improve a variety of operational outcomes including, but not limited to, facility uptime, production quality, employee safety, equipment protection and process performance. We produce specialized products that are often tailored to the specifications of a customer or application.

We continually collaborate with our customers on their projects to develop the proper solution and ensure customer satisfaction. The project development cycle may follow many different paths depending on the specifics of the job and end market. The cycle can take from one to more than twelve months from concept and design to production but may vary significantly depending on developments that occur during the process, including among others, the emergence of new environmental demands, changes in design specifications and ability to obtain necessary approvals.

### Sales, Marketing and Support

Our global selling strategy is to provide a solutions-based approach by being a single source provider of technology products and services. The strategy involves expanding our scope of products and services through selective acquisitions and the formation and integration of new business units. We believe this strategy provides a discernible competitive advantage. We execute this strategy by utilizing our portfolio of in-house technologies and those of third-party equipment suppliers. Many of these have been long-standing relationships, which have evolved from pure supplier roles to value-added business partnerships. This enables us to leverage existing business with selective alliances of suppliers and application specific engineering expertise. Our products primarily compete on the basis of price, performance, speed of delivery, quality, customer support, and single source. Our value proposition to customers is to provide competitively priced, customized solutions. Our industry-specific knowledge, accompanied by our product and service offerings, provides valuable synergies for design innovation.

We sell and market our products and services with our own direct sales force, including employees in the United States, the Netherlands, United Kingdom, Canada, United Arab Emirates, India, China, and Singapore, in conjunction with outside sales representatives in North America, South America, Europe, Middle East, Asia, and India. We expect to continue expanding our sales and support capabilities and our network of outside sales representatives in key regions domestically and internationally.

We market our offerings to our customers through a variety of channels including, but not limited to, digital, web, social media, email campaigns, individual customer visits, product announcements, brochures, magazine articles, advertisements and cover or article features in trade journals and other publications. We also participate in public relations and promotional events, including industry tradeshows and technical conferences.

Our customer service organization and sales force provides our customers with technical assistance, use and maintenance information as well as other key information regarding their purchase. We also actively provide our customers with access to key information regarding changes and pending changes in environmental regulations as well as new product or service developments. We believe that maintaining a close relationship with our customers and providing them with the support they request improves their level of satisfaction and enables us to foresee their potential future product needs or service demands. Moreover, this approach can lead to sales of annual service and support contracts as well as consumables. Our website also provides our customers with online tools and technical resources.

#### Quality Assurance

In engineered systems, quality is defined as system performance. We review with our customers, before the contract is signed, the technical specification and the efficiency of the equipment that will be customized to meet their specific needs. We then review these same parameters internally to assure that warranties will be met. Standard project management and production management tools are

used to help ensure that all work is done to specification and that project schedules are met. Equipment is tested at the site to ensure it is functioning properly.

#### **Customers**

We are not dependent upon any single customer, and no customer comprised 10% or more of our consolidated revenues for 2021.

#### Suppliers and Subcontractors

We purchase our raw materials and supplies from a variety of global sources. When possible, we directly secure angle iron and sheet plate products from steel mills, whereas other materials are purchased from a variety of steel service centers. Steel prices have traditionally been volatile, but we typically mitigate the risk of higher prices by including a "surcharge" on our standard products. On contract work, we try to mitigate the risk of higher prices by including the current price in our estimate and generally include price inflation clauses for protection.

Typically, on turnkey projects, we subcontract manufacturing, electrical work, concrete work, controls, conveyors and insulation. We use subcontractors with whom we have good working relationships and review each project at the beginning and on an ongoing basis to help ensure that all work is being done according to our specifications. Subcontractors are generally paid when we are paid by our customers according to the terms of our contract with the customer. The Company's asset-light business model focuses on effective management of subcontractors, which allows the Company to achieve targeted working capital levels through reduction in certain assets and reduced capital expenditures.

While we believe we have a good relationship with our suppliers and subcontractors, we are currently experiencing shortages of raw materials and inflationary pressures for certain materials and labor. We expect these supply chain challenges and cost impacts to continue for the foreseeable future as markets recover. Although we have secured additional raw materials from existing and alternate suppliers and have taken other mitigating actions to mitigate supply disruptions, we cannot guarantee that we can continue to do so in the future. In this event, our business, results and financial condition could be adversely affected.

#### Backlog

Backlog (i.e., unfulfilled or remaining performance obligations) represents the sales we expect to recognize for our products and services for which control has not yet transferred to the customer. Backlog was \$213.9 million as of December 31, 2021 as compared to \$183.1 million as of December 31, 2020. Backlog is adjusted on a quarterly basis for fluctuations in foreign currency exchange rates. Substantially all backlog is expected to be delivered within 12 to 18 months. Backlog is not defined by United States generally accepted accounting principles ("GAAP") and our methodology for calculating backlog may not be consistent with methodologies used by other companies.

#### Competition

The markets we serve are highly fragmented with numerous small and regional participants. We believe no single company competes with us across the full range of our systems and products. Competition in the markets we serve is based on a number of considerations, including timeliness of delivery, technology, applications experience, know-how, reputation, product warranties, service and price. Demand for our product can vary period over period depending on conditions in the markets we serve. We believe our product quality, reliability, on-time delivery and safety supported by advanced engineering and operational excellence differentiate us from many of our competitors, including those competitors who often offer products at a lower price.

Due to the size and shipping weight of many of our projects, localized manufacturing/fabrication capabilities are very important to our customers. As a result, competition varies widely by region and industry. The market for our engineered products is reasonably competitive and is characterized by technological change, continuously changing environmental regulations, and evolving customer requirements. We believe that the additional competitive factors in our markets include:

- performance track record;
- comprehensive portfolio of products with leading technology;
- brand recognition;
- high design standard;
- quality and reliable solutions;

- on-time delivery;
- quality customer service and support; and
- financial and operational stability, including reputation.

We believe we compete favorably with respect to these factors.

### **Government Regulations**

We believe our operations are in compliance with applicable environmental laws and regulations. We believe that changes in environmental laws and regulations create opportunity given the nature of our business.

Our business is subject to numerous laws and regulations. While there are not currently regulations proposed or pending that we believe will result in material capital, operating or other costs to the business at this time, such regulations could be proposed and/or passed into law in 2022 or beyond. Other regulations currently in place could be withdrawn and replaced with more stringent requirements in 2022 or beyond. New laws and regulations and the costs of compliance with such new laws and regulations can only be broadly appraised until their implementation becomes more defined through regulatory guidance and enforcement.

## Intellectual Property

We rely on a combination of patent, trademark, copyright and trade secret laws, employee and third-party nondisclosure/confidentiality agreements and license agreements to protect our intellectual property. We sell most of our products under a number of registered trade names, brand names and registered trademarks, which we believe are widely recognized in the industry. While we hold patents within a number of our businesses, we do not view our patents to be material to our business.

#### Commitment to Values and Ethics

At CECO, we act in accordance with our Code of Business Conduct and Ethics ("Code of Conduct"), which sets forth expectations and guidance for employees to make appropriate decisions. Our Code of Conduct covers topics such as anti-corruption, discrimination, harassment, data privacy, appropriate use of company assets, protecting confidential information, and reporting Code of Conduct violations. The Code of Conduct reflects our commitment to operating in a fair, honest, responsible and ethical manner and also provides direction for reporting complaints in the event of alleged violations of our policies ,including through an anonymous helpline. Our executive officers and managers maintain an "open door" policy, and any form of retaliation is strictly prohibited.

### Human Capital Management

CECO recognizes that in order to drive innovation and operational excellence, we must identify, attract, retain and motivate world-class talent. As of December 31, 2021, CECO has approximately 730 employees, across eight countries. One-hundred and thirty of our US employees are unionized in our Pennsylvania, Tennessee and North Carolina facilities.

#### Talent, Leadership and People Development

To support personal and professional development, we have strategically committed resources to leadership and management development programs, product knowledge, job skills, and compliance training. In 2021, CECO continues to leverage a online learning platform so our employees can continue developing their skill sets and knowledge. Our learning platform offers over 16,000 courses and certifications ranging from job function to leadership and resource training. As of December 31, 2021, 82% of our employees have engaged with this learning platform and they are spending approximately 3 hours per month building their knowledge and skills. Additionally, in 2021 we further invested in high performing leaders by partnering with top US Universities including Wharton, Yale, MIT University of CA Berkeley, University of Pennsylvania and more, to build strategic, leadership and operational excellence skills. We also partnered with the Center of Creative Leadership to further reinforce leadership skills by investing in executive level coaching of high performing leaders. We believe this investment in our team members and leaders results in a more knowledgeable and competent workforce today while strengthening our succession plan and leadership bench for the future.

We provide a variety of resources to help our employees grow in their current roles and build new skills to thrive in the workplace of the future. Strategic talent reviews are conducted annually across all business areas. The Board is updated on the Company's people strategy on an annual basis, which is refined based on business drivers, market factors and key initiatives designed to drive the corporate strategy and business results and meets to review our succession planning strategy and leadership pipeline for key roles, taking into account the Company's long-term strategy.

# Health and Safety

At CECO, the health and safety of our employees is one of our highest priorities. We believe that all injuries, occupational illnesses and incidents are preventable, and we are committed to operating with a zero-incident culture. Through our environmental, health and safety program we implement policies and training programs, as well as perform self-audits to ensure our colleagues leave the workplace safely every day. To better understand employee safety at the site level, we have safety committees and safety scorecards to share best practices between sites. We currently share scorecard information monthly to foster visibility, accountability and commitment across our workplace, communicating and celebrating successful results across the enterprise. In addition to lagging indicators, such as injury performance, the scorecards highlight leading indicators such as safety observations and near-misses, as well as other proactive actions taken at each site to ensure worker safety. For the year ended December 31, 2021, CECO's domestic Total Recordable Incident Rate ("TRIR") was 1.9% as compared to our benchmark industry average TRIR of 4.1%.

Our safety focus is also evident in our response to the COVID-19 pandemic around the globe. We implemented all government, federal and state policies, in addition to our enhanced policies procedures and protocols:

- implemented remote work and work from home flexibility for office job roles;
- continued utilization of Microsoft Teams world-wide to enable collaboration while ensuring team safety;
- continued to leverage an Emergency Paid Pandemic Leave policy to encourage those who are sick to stay home;
- continue deep cleaning protocols across all locations;
- initiated regular communication, public service announcements and mini-video sessions educating, promoting and encouraging the vaccine and highlighting our health and safety protocols and procedures;
- continue to implemented the self-certification health assessment internationally as offices opened up in addition to continuing requirement for employees, partners and vendors at our manufacturing facilities (where allowed by local law);
- continued safety protocols to address actual and suspected COVID-19 cases and potential exposure;
- prohibited all non-essential domestic and international travel for all employees;
- required masks to be worn in all locations where allowed by local law;
- required on site visitors complete a health and travel declaration; and
- for on site visitors traveling by plane, required a negative Polymerase Chain Reaction test before entering the facility.

CECO manufactures products and performs services deemed essential to critical infrastructure, including manufacturing, and energy, and, as a result, our facilities have continued operating during the COVID-19 pandemic. Importantly, during 2021, our experience and continuing focus on workplace safety have enabled us to preserve business continuity without sacrificing our commitment to keeping our colleagues and workplace visitors safe during the COVID-19 pandemic.

Diversity, Equity, and an Inclusive Culture

At CECO we believe a diverse and inclusive workforce is critical to inspiring innovative thinking, creative problem-solving, performance, and results, so we cultivate an environment where team members feel valued, engaged, and inspired to give their best. The unique characteristics that shape each individual help inform our decisions as a company, and this mindset allows CECO to realize new opportunities and add value to our customers, partners, and stockholders.

As part of our efforts to expand CECO's diverse workforce, we have:

- initiating recruitment efforts to attract and build a more diverse workforce, including expanding career opportunity postings on career websites to diverse job boards, as well as, search engines that aggregate and display job openings by employers, including those dedicated to diverse candidates;
- invested in executive sponsorship training through the Yale School of Management so that a comprehensive Diversity, Equity and Inclusive roadmap could be designed and a partner selected to support us on this initiative.

CECO's commitment to expanding our diverse workforce and enhancing our inclusive culture is driven by our recognition that a workplace that is reflective of our global customer base establishes a firm foundation to drive creativity and innovation, which lead to problem solving, development, performance, and business success.

### Executive Officers of CECO

The following are the executive officers of the Company as of February 28, 2022. The terms of all officers expire at the next annual meeting of stockholders and upon the election of the successors of such officers.

Todd Gleason (50) has served as a director and Chief Executive Officer since July 2020. Prior to joining the Company, Mr. Gleason most recently served, from April 2015 to July 2020, as President and Chief Executive Officer of Scientific Analytics Inc., a predictive analytic technologies and services company. Prior to that position, Mr. Gleason served from June 2007 to March 2015 in a number of senior officer and executive positions for Pentair plc, a water treatment company. During his tenure with Pentair, Mr. Gleason served as Senior Vice President and Corporate Officer from January 2013 to March 2015, President, Integration and Standardization from January 2010 to January 2013, and Vice President, Global Growth and Investor Relations from June 2007 to January 2010. Before joining Pentair, Mr. Gleason served as Vice President, Strategy and Investor Relations for American Standard Companies Inc. (later renamed to Trane Inc. prior to its acquisition by Ingersoll-Rand Company Limited), a global, diversified manufacturing company, and in a number of different roles (including as Chief Financial Officer, Honeywell Process Solutions) at Honeywell International Inc., a diversified technology and manufacturing company.

Matthew Eckl (41) has served as our Chief Financial Officer since January 2017. Prior to joining the Company, Mr. Eckl served as Vice President, Finance – Energy Group at Gardner Denver, Inc., a global provider of compressors, blowers, and vacuum pumps, from 2012 until January 2017. In this role, he oversaw a \$1 billion revenue business group that designs, manufactures, markets and services pumps, fluid transfer equipment and engineered systems for oil & gas and petrochemical industries. Prior to joining Gardner Denver, Mr. Eckl served in various roles of increasing responsibility within General Electric Company, a global digital industrial company, from 2002 until 2012, where he worked with various business groups to integrate new acquisitions and streamline financial reporting processes. Mr. Eckl earned a Bachelor's degree in Management Information Systems from Pennsylvania State University.

Ramesh Nuggihalli (53) has served as our Chief Operating Officer since April 2021. Prior to joining the Company, Mr. Nuggihalli held the Chief Operating Officer role for NovaTech, LLC, a private industrial automation company, from July 2018 to November 2019. Prior to that, Mr. Nuggihalli was the President and Managing Director of Xylem Asia, a provider of premium field, portable, online and laboratory analytical instruments and software serving the water sector. Before Xylem, he was the Managing Director of Pentair Middle East based out of Dubai, UAE, serving the energy sector. Mr. Nuggihalli has more than 20 years of experience working in more than 25 countries managing complex international businesses in emerging markets. Mr. Nuggihalli has held executive leadership roles at Tyco International, a security systems company, Ametek, a global manufacturer of electronic instruments and electromechanical devices, General Electric, Babcock & Wilcox, an American renewable environmental and thermal energy technologies and service provider and SNC-Lavalin, a Canadian company based in Montreal that provides engineering, procurement, and construction services to various industries, including mining and metallurgy, oil and gas, environment and water, infrastructure, and clean power. Mr. Nuggihalli, holds a bachelor's degree in Engineering from the University of Mysore, India, a Master of Engineering degree from McGill University in Canada, and a Master of Business Administration from Wilfred Laurier University in Canada.

Paul Gohr (40) has served as the Chief Accounting Officer since May 2017. Mr. Gohr previously served as our Vice President of Financial Reporting since joining the Company in September 2014. From 2004 to 2014, Mr. Gohr served in various roles of increasing responsibility within Grant Thornton LLP, a global public accounting firm, most recently as a Senior Manager of Audit Services. While at Grant Thornton LLP, Mr. Gohr served a broad base of both public and private companies with international operations, many of which were acquisitive in nature. Mr. Gohr is a Certified Public Accountant. Mr. Gohr earned a Bachelor's degree in Business, Accountancy and a Masters of Accountancy degree from Miami University.

#### Available Information

We use the Investor Relations section of our website, <a href="www.cecoenviro.com">www.cecoenviro.com</a>, as a channel for routine distribution of important information, including news releases, investor presentations and financial information. We post filings as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC, including our annual, quarterly, and current reports on Forms 10-K, 10-Q, and 8-K; proxy statements; and any amendments to those reports or statements. All such postings and filings are available on our website free of charge. The SEC also maintains a website, <a href="www.sec.gov">www.sec.gov</a>, that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC. The content on any website referred to in this Annual Report on Form 10-K is not incorporated by reference into this Annual Report on Form 10-K unless expressly noted.

#### Item 1A. Risk Factors

An investment in our securities involves a high degree of risk. You should carefully consider the risk factors described below, together with the other information included in this Annual Report on Form 10-K, before you decide to invest in our securities. The risks described below are the material risks of which we are currently aware; however, they may not be the only risks that we may face. Additional risks and uncertainties not currently known to us or that we currently view as immaterial may also impair our business. Although the risks are organized by headings, and each risk is discussed separately, many are interrelated. If any of these risks develop into actual events, it could materially and adversely affect our business, financial condition, results of operations and cash flows, and the trading price of your shares could decline and you may lose all or part of your investment.

#### **COVID-19 Risks**

We face risks related to health epidemics and other outbreaks, including the COVID-19 pandemic, which may adversely affect our business, results of operations and financial condition.

We face risks related to health epidemics and other outbreaks, including the COVID-19 pandemic. The COVID-19 pandemic persists in geographic areas in which we have operations, suppliers, customers and employees, and we expect it to continue to have a significant impact on our business, and may affect the demand for our products and disrupt our supply chain and the manufacturing and distribution of our products. It is unknown how long these disruptions could continue and such events may affect our business, results of operations and financial condition. As a key supplier to critical infrastructure projects within the United States, certain portions of our business have been designated an essential business, and we continue to operate our business in compliance with applicable state and local laws. We are observing recommended Centers for Disease Control and Prevention guidelines to minimize the risk of spreading the COVID-19 virus including implementing, where possible, work-from-home procedures and additional sanitization efforts where our facilities remain open. Additionally, the COVID-19 pandemic has also disrupted our international operations. Some of our facilities and our suppliers have experienced temporary disruptions as a result of the COVID-19 pandemic, and we continue to work closely with our global supply chain to proactively support customers during this critical time. We cannot predict whether our facilities will experience more significant disruptions in the future or the impact on our suppliers.

The senior management team meets regularly to review and assess the status of the Company's operations and the health and safety of its employees. The senior management team continues to monitor and manage the Company's ability to operate effectively. We are currently experiencing shortages of raw materials and inflationary pressures for certain materials and labor. We expect these supply chain challenges and cost impacts to continue for the foreseeable future as markets recover. Although we have secured additional raw materials from existing and alternate suppliers and have taken other mitigating actions to mitigate supply disruptions, we cannot guarantee that we can continue to do so in the future. In this event, our business, results and financial condition could be adversely affected. Although vaccines are available in various countries where we operate, health concern risks remain and notwithstanding the Company's continued efforts, it is possible the COVID-19 pandemic could further impact our operations and the operations of our suppliers and venders, particularly in light of newly emerging variant strains of the virus becoming more dominant, the potential resumption of high levels of infection and hospitalization, reduced efficacy of vaccines over time and the possibility that a large number of people decline to get vaccinated or receive booster shots. We cannot predict whether any of our manufacturing operations or suppliers will be disrupted by these events, or how long such disruptions would last. COVID-19 has had and may have further negative impacts on our operations, customers and supply chain despite the preventative and precautionary measures being taken.

We have experienced and may continue to experience additional operating costs due to increased challenges with our workforce (including as a result of labor shortages, illness, absenteeism or government orders), access to supplies, capital and fundamental support services (such as shipping and transportation). Even after the COVID-19 pandemic has subsided, we may experience materially adverse impacts to our business due to any resulting supply chain disruptions, economic recession or depression. Furthermore, the impacts of potential worsening of global economic conditions, inflation resulting from government interventions and stimulus, and continued disruptions to and volatility in the financial markets remain unknown.

#### Risks Related to Our Business and Industry

Our business may be adversely affected by global economic conditions.

A national or global economic downturn or credit crisis may have a significant negative impact on our financial condition, future results of operations and cash flows. Specific risk factors related to these overall economic and credit conditions include the following:

- the impact that the COVID-19 pandemic may have on global capital markets;
- customers or potential customers may reduce or delay their procurement or new product development;

- key suppliers may have difficulties resulting in delays for our material purchases;
- vendors, suppliers and other third parties may fail to perform their contractual obligations; and
- customers may become insolvent and/or unable to obtain credit to finance purchases of our products and services;

These risk factors could reduce our product sales, increase our operating costs, impact our ability to collect customer receivables, lengthen our cash conversion cycle and increase our need for cash, which would ultimately decrease our profitability and negatively impact our financial condition. They could also limit our ability to expand through acquisitions due to the tightening of the credit markets.

Our dependence upon fixed-price contracts could adversely affect our operating results.

The majority of our projects are currently performed on a fixed-price basis, while a limited number of projects are currently performed on a time and materials basis. Under a fixed-price contract, we agree on the price that we will receive for the entire project, based upon a defined scope, which includes specific assumptions and project criteria. If our estimates of the costs to complete the project are below the actual costs that we incur, our margins will decrease, or we may incur a loss. The revenue, cost and gross profit realized on a fixed-price contract will often vary from the estimated amounts because of unforeseen conditions or changes in job conditions and variations in labor and equipment productivity over the term of the contract, including those related to the COVID-19 pandemic. While our fixed-price contracts are typically not individually material to our operating results, if we are unsuccessful in mitigating these risks, we may realize gross profits that are different from those originally estimated and incur reduced profitability or losses on projects. Depending on the size of a project, these variations from estimated contract performance could have a significant effect on our operating results. In general, turnkey contracts to be performed on a fixed-price basis involve an increased risk of significant variations. Generally, our contracts and projects vary in length, depending on the size and complexity of the project, project owner demands and other factors. The foregoing risks are exacerbated for projects with longer-term durations and the inherent difficulties in estimating costs and of the interrelationship of the integrated services to be provided under these contracts whereby unanticipated costs or delays in performing part of the contract, including those related to the COVID-19 pandemic, can have compounding effects by increasing costs of performing other parts of the contract.

Accounting for contract revenue may result in material adjustments that would adversely affect our financial condition and results of operations.

We derive a significant portion of our revenues from fixed price contracts. We recognize revenue as performance obligations are satisfied and the customer obtains control of the products and services. A significant amount of our revenue is recognized over a period of time as we perform under the contract because control of the work in process transfers continuously to the customer. For performance obligations to deliver products with continuous transfer of control to the customer, revenue is recognized based on the extent of progress towards completion of the performance obligation. Progress is measured based on the ratio of costs incurred to date to the total estimated costs to complete the performance obligation. For these contracts, the cost-to-cost measure best depicts the continuous transfer of goods or services to the customer.

Contract revenue and total direct cost estimates are reviewed and revised periodically as the work progresses and as change orders are approved, and adjustments are reflected in contract revenue in the period when these estimates are revised. These estimates are based on management's reasonable assumptions and our historical experience, and are only estimates. Variation of actual results from these assumptions, which are outside the control of management and can differ from our historical experience, including for reasons related to the COVID-19 pandemic, could be material. To the extent that these adjustments result in an increase, a reduction or the elimination of previously reported contract revenue, we would recognize a credit or a charge against current earnings, which could be material.

Our inability to deliver our backlog on time could affect our future sales and profitability, and our relationships with our customers.

Our backlog was \$213.9 million at December 31, 2021 and \$183.1 million at December 31, 2020. Our ability to meet customer delivery schedules for our backlog is dependent on a number of factors including, but not limited to, access to the raw materials required for production, an adequately trained and capable workforce, project engineering expertise for certain large projects, sufficient internal manufacturing plant capacity, available subcontractors and appropriate planning and scheduling of manufacturing resources. The COVID-19 pandemic has resulted in increased supply chain delays, cost inflation and workforce unavailability. Our failure to deliver in accordance with customer expectations may result in damage to existing customer relationships and result in the loss of future business. Failure to deliver backlog in accordance with expectations could negatively impact our financial performance and cause adverse changes in the market price of our common stock.

Volatility of oil and natural gas prices can adversely affect demand for our products and services.

Volatility in oil and natural gas prices can impact our customers' activity levels and spending for our products and services. Current energy prices are important contributors to cash flow for our customers and their ability to fund capital expenditures. The COVID-19 pandemic has significantly disrupted demand for and expectations about future prices and price volatility, which are important for determining our customers' future spending levels. Lower oil and natural gas prices generally lead to decreased spending by our customers. While higher oil and natural gas prices generally lead to increased spending by our customers, sustained high energy prices can be an impediment to economic growth, and can therefore negatively impact spending by our customers. Our customers also take into account the volatility of energy prices and other risk factors by requiring higher returns for individual projects if there is a higher perceived risk. Any of these factors could affect the demand for oil and natural gas and could have a material effect on our results of operations.

Our financial performance may vary significantly from period to period.

Our annual revenues and earnings have varied in the past and are likely to vary in the future. Our contracts generally stipulate customer-specific delivery terms and may have contract cycles of a year or more, which subjects these contracts to many factors beyond our control. In addition, contracts that are significantly larger in size than our typical contracts tend to intensify their impact on our annual operating results. Furthermore, as a significant portion of our operating costs are fixed, an unanticipated decrease in our revenues, a delay or cancellation of orders in backlog, or a decrease in the demand for our products, may have a significant impact on our annual operating results. Therefore, our annual operating results may be subject to significant variations and our operating performance in one period may not be indicative of our future performance.

Customers may cancel or delay projects. As a result, our backlog may not be indicative of our future revenue.

Customers may cancel or delay projects for reasons beyond our control, including for reasons related to and exasperated by the COVID-19 pandemic. Our orders normally contain cancellation provisions that permit us to recover our costs, and, for most contracts, a portion of our anticipated profit in the event a customer cancels an order. If a customer elects to cancel an order, we may not realize the full amount of revenues included in our backlog. If projects are delayed, the timing of our revenues could be affected and projects may remain in our backlog for extended periods of time. Revenue recognition occurs over long periods of time and is subject to unanticipated delays. If we receive relatively large orders in any given quarter, fluctuations in the levels of our quarterly backlog can result because the backlog in that quarter may reach levels that may not be sustained in subsequent quarters. As a result, our backlog may not be indicative of our future revenues. With rare exceptions, we are not issued contracts until a customer is ready to start work on a project. Thus, it is our experience that the only relationship between the length of a project and the possibility that a project may be cancelled is simply the fact that there is more time involved. For example, in a year-long project as opposed to a three-month project, more time is available for the customer to experience a softening in its business, which may cause the customer to cancel a project.

We face significant competition in the markets we serve.

All of the industries in which we compete are highly competitive and highly fragmented. We compete in primarily mature markets against a number of local, regional and national contractors and manufacturers in each of our product or service lines, many of which have been in existence longer than us and some of which have substantially greater financial resources than we do. Our products primarily compete on the basis of quality, reliability, on-time delivery and safety supported by advanced engineering and operational excellence. We must also be responsive to any technological developments and related changing customer requirements. Any failure by us to compete effectively in the markets we serve could have a material adverse effect on our financial condition, results of operations and cash flows.

We may incur material costs as a result of existing or future product liability claims, or other claims and litigation that could adversely affect our financial condition, results of operations and cash flows; and our insurance coverage may not cover all claims or may be insufficient to cover the claims.

Despite our quality assurance measures, we may be exposed to product liability claims, other claims and litigation in the event that the use of our products results, or is alleged to result, in bodily injury and/or property damage or our products actually or allegedly fail to perform as expected. Such claims may also be accompanied by fraud and deceptive trade practices claims. While we maintain insurance coverage with respect to certain product liability and other claims, we may not be able to obtain such insurance on acceptable terms in the future, if at all, and any such insurance may not provide adequate coverage against product liability and other claims. Furthermore, our insurance may not cover damages from breach of contract by us or based on alleged fraud or deceptive trade practices. Any future damages that are not covered by insurance or are in excess of policy limits could have a material adverse effect on our financial condition, results of operations and cash flows. In addition, product liability and other claims can be expensive to

defend and can divert the attention of management and other personnel for significant periods of time, regardless of the ultimate outcome.

An unsuccessful defense of a product liability or other claim could have an adverse effect on our financial condition, results of operations and cash flows. Even if we are successful in defending against a claim relating to our products, claims of this nature could cause our customers to lose confidence in our products and us.

Liability to customers under warranties may adversely affect our reputation, our ability to obtain future business and our results of operations.

We provide certain warranties as to the proper operation and conformance to specifications of the products we manufacture or produce. Failure of our products to operate properly or to meet specifications may increase our costs by requiring additional engineering resources and services, replacement of parts and equipment or monetary reimbursement to customers. We have in the past received warranty claims, are currently subject to warranty claims, and we expect to continue to receive warranty claims in the future. To the extent that we incur substantial warranty claims in any period, our reputation, our ability to obtain future business and our results of operations could be adversely affected.

Increasing costs for manufactured components, raw materials, transportation, health care and energy prices may adversely affect our profitability.

We use a broad range of manufactured components and raw materials in our products, including raw steel, steel-related components, resin, filtration media and equipment such as fans and motors. Materials, wages and subcontracting costs comprise the largest components of our total costs. The current economic environment has resulted, and may continue to result, in price volatility and inflation of these costs. Further increases in the price of these items could further materially increase our operating costs and materially adversely affect our profit margins. Similarly, transportation, steel and health care costs have risen steadily over the past few years and represent an increasing burden for us. Although we try to contain these costs whenever possible, and although we try to pass along increased costs in the form of price increases to our customers, we may be unsuccessful in doing so, and even when successful, the timing of such price increases may lag significantly behind our incurrence of higher costs.

#### Risks Related to our Business Model and Capital Structure

Our gross profit are affected by shifts in our product mix.

Certain of our products have higher gross profit margins than others. Consequently, changes in the product mix of our sales from quarter-to-quarter or from year-to-year can have a significant impact on our reported gross profit margins. Certain of our products also have a much higher internally manufactured cost component. Therefore, changes from quarter-to-quarter or from year-to-year can have a significant impact on our reported gross profit margins. In addition, contracts with a higher percentage of subcontracted work or equipment purchases may result in lower gross profit margins.

Our manufacturing operations are dependent on third-party suppliers.

Although we are not dependent on any one supplier, we are dependent on the ability of our third-party suppliers to supply our raw materials, as well as certain specific component parts. The third-party suppliers upon which we depend may default on their obligations to us due to bankruptcy, insolvency, lack of liquidity, adverse economic conditions, operational failure, fraud, loss of key personnel or other reasons. For example, as a result of the COVID-19 pandemic and efforts to stop the spread of COVID-19, some of our third-party suppliers are experiencing delays in production or an inability to perform work. We cannot assure you that our third-party suppliers will dedicate sufficient resources to meet our scheduled delivery requirements or that our suppliers will have sufficient resources to satisfy our requirements during any period of sustained demand, and the global nature of the COVID-19 pandemic could result in there being fewer alternative suppliers. Failure of suppliers to supply, or delays in supplying, our raw materials or certain components, or allocations in the supply of certain high demand raw components, for any reason, including, without limitation, disruptions in our suppliers' due to cybersecurity incidents, terrorist activity, public health crises (such as COVID-19), fires or other natural disasters could materially adversely affect our operations and ability to meet our own delivery schedules on a timely and competitive basis. Additionally, our third-party suppliers may provide us with raw materials or component parts that fail to meet our expectations or the expectations of our customers, which could subject us to product liability claims, other claims and litigation.

Our use of subcontractors could potentially harm our profitability and business reputation.

Occasionally we act as a prime contractor in some of the engineered projects we undertake. In our capacity as lead provider and when acting as a prime contractor, we perform a portion of the work on our projects with our own resources and typically subcontract

activities such as manufacturing, electrical work, concrete work, insulation, conveyors and controls. In our industry, the lead contractor is normally responsible for the performance of the entire contract, including subcontract work. Thus, when acting as a prime contractor, we are subject to risk associated with the failure of one or more subcontractors to perform as anticipated.

Moreover, the preventative or protective actions that governments, corporations, individuals or we may take to contain COVID-19 have resulted in, and may continue to result in, a period of reduced operations and business disruption for our subcontractors. The COVID-19 pandemic and related actions to stop the spread of COVID-19 have also prevented, and may continue to prevent, our subcontractors from meeting their obligations to us, which could also contribute to performance delays on our customer obligations and increase our costs. Any costs associated with the COVID-19 pandemic may not be fully recoverable or adequately covered by insurance.

We employ subcontractors at various locations around the world to meet our customers' needs in a timely manner, meet local content requirements and reduce costs. Subcontractors generally perform the majority of our manufacturing for international customers. We also utilize subcontractors in North America. The use of subcontractors decreases our control over the performance of these functions and could result in project delays, escalated costs and substandard quality. These risks could adversely affect our profitability and business reputation. In addition, many of our competitors, who have greater financial resources and greater bargaining power than we have, use the same subcontractors that we use and could potentially influence our ability to hire these subcontractors. If we were to lose relationships with key subcontractors, our business could be adversely impacted.

The COVID-19 pandemic has adversely affected the progress of construction projects across the globe and will likely continue to cause delays and disruptions. If projects are delayed or cancelled it could have a material adverse effect upon our business and financial condition.

A significant portion of our accounts receivable are related to larger contracts, which increases our exposure to credit risk.

Significant portions of our sales are to customers who place large orders for custom products and whose activities are related to the power generation and oil & gas industries. As a result, our exposure to credit risk is affected to some degree by conditions within these industries and governmental and or political conditions. We frequently attempt to reduce our exposure to credit risk by requiring progress or milestone payments and letters of credit as well as closely monitoring the credit worthiness of our customers. However, the continuing economic climate and other unanticipated events that affect our customers could have a materially adverse impact on our operating results. Further, we believe that the COVID-19 pandemic will continue to adversely impact our sales.

Changes in billing terms can increase our exposure to working capital and credit risk.

Our products are generally sold under contracts that allow us to bill upon the completion of certain agreed upon milestones or upon actual shipment of the product, and certain contracts include a retention provision. We attempt to negotiate progress-billing milestones on all large contracts to help us manage the working capital and credit risk associated with these large contracts. Consequently, shifts in the billing terms of the contracts in our backlog from period to period can increase our requirement for working capital and can increase our exposure to credit risk.

Currency fluctuations may reduce profits on our foreign sales or increase our costs, either of which could adversely affect our financial results.

Given that approximately 38% of our 2021 revenues are outside the United States, we are subject to the impact of fluctuations in foreign currency exchange rates. Although our financial results are reported in U.S. dollars, a portion of our sales and operating costs are realized in foreign currencies. Our sales and profitability are impacted by the movement of the U.S. dollar against foreign currencies in the countries in which we generate sales and conduct operations. Long-term fluctuations in relative currency values could have an adverse effect on our operations and financial conditions.

If our goodwill or indefinite lived intangibles become impaired, we may be required to recognize charges that would adversely impact our results of operations.

As of December 31, 2021, goodwill and indefinite lived intangibles were \$170.8 million, or 41.0%, of our total assets. Goodwill and indefinite lived intangible assets are not amortized, but instead are subject to annual impairment evaluations (or more frequently if circumstances require). Major factors that influence our evaluations are estimates for future revenue and expenses associated with the specific intangible asset or the reporting unit in which the goodwill resides. This is the most sensitive of our estimates related to our evaluations. Other factors considered in our evaluations include assumptions as to the business climate, industry and economic conditions. These assumptions are subjective and different estimates could have a significant impact on the results of our analyses. While management, based on current forecasts and outlooks, believes that the assumptions and estimates are reasonable, we can make no assurances that future actual operating results will be realized as planned and that there will not be material impairment charges as a result. In particular, an economic downturn could have a material adverse impact on our customers thereby forcing them to reduce or curtail doing business with us and such a result may materially affect the amount of cash flow generated by our future operations. Any write-down of goodwill or intangible assets resulting from future periodic evaluations could adversely materially impact our results of operations.

We may incur costs as a result of certain restructuring activities, which may negatively impact our financial results, and we may not achieve some or all of the expected benefits of our restructuring plans.

We are continuously seeking the most cost-effective means and structure to serve our customers, protect our stockholders and respond to changes in our markets. From time to time, we may engage in restructuring activities in an effort to improve cost competitiveness and profitability. We may not achieve the desired or anticipated benefits from these restructuring activities. As a result, restructuring costs may vary significantly from year to year depending on the scope of such activities. Such restructuring costs and expenses could adversely impact our financial results.

We are party to asbestos-containing product litigation that could adversely affect our financial condition, results of operations and cash flows.

Our subsidiary, Met-Pro, along with numerous other third parties, has been named as a defendant in asbestos-related lawsuits filed against a large number of industrial companies including, in particular, those in the pump and fluid handling industries. In management's opinion, the complaints typically have been vague, general and speculative, alleging that Met-Pro, along with the numerous other defendants, sold unidentified asbestos-containing products and engaged in other related actions that caused injuries (including death) and loss to the plaintiffs. The Company's insurers have hired attorneys who, together with the Company, are vigorously defending these cases. The Company believes that its insurance coverage is adequate for the cases currently pending against the Company and for the foreseeable future, assuming a continuation of the current volume, nature of cases and settlement amounts. However, the Company has no control over the number and nature of cases that are filed against it, nor as to the financial health of its insurers or their position as to coverage. The Company also presently believes that none of the pending cases will have a material adverse impact upon the Company's results of operations, liquidity or financial condition.

See Note 12 to the Consolidated Financial Statements contained in Part II, Item 8 of this Annual Report on Form 10-K for information regarding the asbestos-related litigation in which we are involved.

We have \$65.5 million of indebtedness as of December 31, 2021, and incurrence of additional indebtedness could adversely affect our ability to operate our business, remain in compliance with debt covenants, make payments on our debt and limit our growth.

Our outstanding indebtedness could have important consequences for investors, including the following:

- it may be more difficult for us to satisfy our obligations with respect to the agreement governing our Credit Facility (as defined herein), and any failure to comply with the obligations of any of the agreements governing any additional indebtedness, including financial and other restrictive covenants, could result in an event of default under such agreements;
- the covenants contained in our debt agreements, including our Credit Facility, limit our ability to borrow money in the future for acquisitions, capital expenditures or to meet our operating expenses or other general corporate obligations;
- the amount of our interest expense may increase because a substantial portion of our borrowings are at variable rates of interest, which, if interest rates increase, could result in higher interest expense;
- we may need to use a portion of our cash flows to pay interest on our debt, which will reduce the amount of money we have for operations, working capital, capital expenditures, expansion, acquisitions or general corporate or other business activities;

- we may have a higher level of debt than some of our competitors, which could put us at a competitive disadvantage;
- we may be more vulnerable to economic downturns and adverse developments in our industry or the economy in general; and
- our debt level could limit our flexibility in planning for, or reacting to, changes in our business and the industry in which we operate.

Our ability to meet our expenses and debt obligations will depend on our future performance, which will be affected by financial, business, economic, regulatory and other factors. We will not be able to control many of these factors. We cannot be certain that our earnings will be sufficient to allow us to pay the principal and interest on our existing or future debt and meet our other obligations. Moreover, we currently expect that the COVID-19 pandemic will continue to negatively impact our cash flow and liquidity. If we do not have enough money to service our existing or future debt, we may be required to refinance all or part of our existing or future debt, sell assets, borrow more money or raise equity. We may not be able to refinance our existing or future debt, sell assets, borrow more money or raise equity on terms acceptable to us, if at all, particularly in light of COVID-19's impact on capital markets.

Our ability to execute our growth strategies may be limited by our ability to secure and retain additional financing on terms reasonably acceptable to us or at all. Certain of our competitors are larger companies that may have greater access to capital, and therefore may have a competitive advantage over us should our access to capital be limited.

In connection with the amendment to the Credit Facility executed on December 17, 2021, we modified, among other things, a substitute reference rate for the London Inter-Bank Offered Rate ("LIBOR"). This modification was made as a result of and with the expectation that the publication of LIBOR will cease on or before June 30, 2023. The methodology for calculating these reference rates differs in a number of respects from the methodology for calculating LIBOR, and they are not expected to be the economic equivalent of LIBOR. As a result of such differences in methodology, among other factors, it is possible that these rates will perform differently from LIBOR in future periods and may be more volatile. Additionally, there can be no assurance that the new reference rates will attain market acceptance as replacements of LIBOR. These interest rates will fluctuate with changing market conditions and, if they increase, our interest expense will also increase. The market transition away from LIBOR to alternative reference rates is complex and could have a range of material adverse effects on our business, financial condition and results of operations. In particular, increased interest rate expense would adversely affect our cash flow and our ability to service our indebtedness and fund our operations.

We might be unable to protect our intellectual property rights and our products could infringe the intellectual property rights of others, which could expose us to costly disputes.

Although we believe that our products do not infringe patents or violate the proprietary rights of others, it is possible that our existing patent rights may not be valid or that infringement of existing or future patents or proprietary rights may occur. In the event our products infringe patents or proprietary rights of others, we may be required to modify the design of our products or obtain a license for certain technology. We cannot guarantee that we will be able to do so in a timely manner, upon acceptable terms and conditions, or at all. Failure to do any of the foregoing could have a material adverse effect upon our business. Moreover, if our products infringe patents or proprietary rights of others, we could, under certain circumstances, become liable for damages, which also could have a material adverse effect on our business.

Risks related to our pension plan may adversely impact our results of operations and cash flow.

Significant changes in actual investment return on pension assets, discount rates and other factors may adversely affect our results of operations and pension plan contributions in future periods. GAAP requires that we calculate the income or expense of our plan using actuarial valuations. These valuations reflect assumptions about financial markets and interest rates. We establish the discount rate used to determine the present value of the projected and accumulated benefit obligation at the end of each year based upon the available market rates for high quality, fixed-income investments. An increase in the discount rate would increase future pension expense and, conversely, a decrease in the discount rate would decrease future pension expense. Funding requirements for our pension plan may become more significant. The ultimate amounts to be contributed are dependent upon, among other things, interest rates, underlying asset returns and the impact of legislative or regulatory changes related to pension funding obligations. For a discussion regarding the significant assumptions used to estimate pension expense, including discount rate and the expected long-term rate of return on plan assets, and how our financial statements can be affected by pension plan accounting policies, see "Critical Accounting Policies" included in this Annual Report on Form 10-K in "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations."

We may be subject to substantial withdrawal liability assessments in the future related to multiemployer pension plans to which certain of our subsidiaries make contributions pursuant to collective bargaining agreements.

Under applicable federal law, any employer contributing to a multiemployer pension plan that completely ceases participating in the plan while the plan is underfunded is subject to payment of such employer's assessed share of the aggregate unfunded vested benefits of the plan. In certain circumstances, an employer can be assessed a withdrawal liability for a partial withdrawal from a multiemployer pension plan. If any of these adverse events were to occur in the future, it could result in a substantial withdrawal liability assessment that could have a material adverse effect on our business, financial condition, results of operations or cash flows.

We have made and may make future acquisitions or divestitures, which involve numerous risks that could impact our financial condition, results of operations and cash flows.

Our operating strategy has involved expanding or contracting our scope of products and services through selective acquisitions or divestitures and the formation or elimination of new business units that are then integrated or separated into or out of our family of turnkey system providers. We have acquired other businesses, product or service lines, assets or technologies that are complementary to our business. We may be unable to find or consummate future acquisitions at acceptable prices and terms. We continually evaluate potential acquisition opportunities in the ordinary course of business.

Although we conduct what we believe to be a prudent level of investigation regarding the operating and financial condition of the businesses, product or service lines, assets or technologies we purchase, an unavoidable level of risk remains regarding their actual operating and financial condition. Until we actually assume operating control of these businesses, product or service lines, assets or technologies, we may not be able to ascertain their actual value or understand potential liabilities. This is particularly true with respect to acquisitions outside the United States.

In addition, acquisitions of businesses may require additional debt or equity financing, resulting in additional leverage or dilution of ownership. Our Credit Facility contains certain covenants that limit, or which may have the effect of limiting, among other things, acquisitions, capital expenditures, the sale of assets and the incurrence of additional indebtedness.

Societal responses to climate change could adversely affect our business and performance, including indirectly through impacts on our customers.

Concerns over the long-term impacts of climate change have led and will continue to lead to governmental efforts around the world to mitigate those impacts. Consumers and businesses also may change their behavior as a result of these concerns. We and our customers will need to respond to new laws and regulations as well as consumer and business preferences resulting from climate change concerns. We and our customers may face cost increases, asset value reductions and operating process changes. The impact on our customers will likely vary depending on their specific attributes, including reliance on or role in carbon intensive activities. Among the impacts to us could be a drop in demand for our products and services, particularly in oil & gas industries. In addition, we could face reductions in our creditworthiness or in the value of our assets securing loans. Our efforts to take these risks into account in making business decisions, including by increasing our business with climate-friendly companies, may not be effective in protecting us from the negative impact of new laws and regulations or changes in consumer or business behavior.

#### Risks Related to Human Capital Management

We may not be able to attract and retain qualified employees.

Our future success depends upon the continued service of our executive officers and other key management and technical personnel, and on our ability to continue to identify, attract, retain and motivate them. Implementing our business strategy requires specialized engineering and other talent, as our revenues are highly dependent on technological and product innovations. The market for employees in our industry is extremely competitive, and competitors for talent, particularly engineering talent, increasingly attempt to hire, and to varying degrees have been successful in hiring, our employees, including by establishing local offices near our headquarters. If we are unable to attract and retain qualified employees, our business may be harmed.

Work stoppages or similar difficulties could significantly disrupt our operations.

As of December 31, 2021, approximately 130 of our approximately 730 employees are represented by international or independent labor unions under various union contracts that expire from May 31, 2022 to April 30, 2023. It is possible that our workforce will become more unionized in the future. Although we consider our employee relations to generally be good, our existing labor agreements may not prevent a strike or work stoppage at one or more of our facilities, including due to the effects of COVID-19, may

have a material adverse effect on our business. Unionization activities could also increase our costs, which could have an adverse effect on our profitability.

Additionally, a work stoppage at one of our suppliers could adversely affect our operations if an alternative source of supply were not readily available. Work stoppages by employees of our customers also could result in reduced demand for our products.

#### **Information Technology and Cybersecurity Risks**

Our dependence on information systems and the failure of such systems, could significantly disrupt our business and negatively affect our financial condition, results of operations and cash flows.

We are highly dependent on information systems that are increasingly operated by third parties and as a result we have a limited ability to ensure their continued operation. We rely on information technology systems, networks and infrastructure in managing our day-to-day operations. In the event of systems failure or interruption, including those related to the COVID-19 pandemic, force majeure, telecommunications failures, criminal acts, including hardware or software break-ins or extortion attempts, or viruses, or other cybersecurity incidents, we will have limited ability to affect the timing and success of systems restoration and any resulting interruption in our ability to manage and operate our business could have a material adverse effect on our operating results.

Increased information technology cybersecurity threats and more sophisticated and targeted computer crime could pose a risk to our systems, networks, and products.

Increased global information technology cybersecurity threats and more sophisticated and targeted computer crime pose a risk to the security of our systems and networks and the confidentiality, availability and integrity of our data and communications. While we attempt to mitigate these risks by employing a number of measures, including employee training, comprehensive monitoring of our networks and systems, and maintenance of backup and protective systems, our systems, networks and products remain potentially vulnerable to advanced persistent threats. Depending on their nature and scope, such threats could potentially lead to the compromise of confidential information and communications, improper use of our systems and networks, manipulation and destruction of data, defective products, production downtimes and operational disruptions, which in turn could adversely affect our reputation, competitiveness and results of operations. We have cybersecurity insurance related to a breach event covering expenses for notification, credit monitoring, investigation, crisis management, public relations and legal advice. However, damage and claims arising from such incidents may not be covered or exceed the amount of any insurance available, or may result in increased cybersecurity and other insurance premiums. In response to the COVID-19 pandemic and an increased reliance on our information technology systems, we have taken proactive measures to strengthen our information technology systems, including completion of a National Institute of Standards and Technology ("NIST") assessment, upgraded security patches across all servers, development of best-in-class hack protection service, implementation of recurring company-wide security training and enablement of advanced security for our major information systems. Management provides the Audit Committee with regular updates on cybersecurity risk management.

Furthermore, the Company may have access to sensitive, confidential, or personal data or information that may be subject to privacy and security laws, regulations, or other contractually-imposed controls. Despite our use of reasonable and appropriate controls, material security breaches, theft, misplaced, lost or corrupted data, programming, or employee errors and/or malfeasance could lead to the compromise or improper use of such sensitive, confidential, or personal data or information, resulting in possible negative consequences, such as fines, ransom demands, penalties, loss of reputation, competitiveness or customers, or other negative consequences resulting in adverse impacts to our results of operations or financial condition.

#### Regulatory Compliance and International Operations Risks

Our business can be significantly affected by changes in regulatory standards.

The markets that the Company serves are characterized by competitively imposed process standards and regulatory requirements, each of which influences the demand for our products and services. Changes in legislative, regulatory or industrial requirements may render certain of our products and processes obsolete. Conversely, these changes may present new business opportunities for us. Acceptance of new products and services may also be affected by the adoption of new government regulations requiring stricter standards. Our ability to anticipate changes in regulatory standards and to respond with new and enhanced products on a timely basis will be a significant factor in our ability to grow and to remain competitive. We cannot guarantee that we will be able to achieve the technological advances that may be necessary for us to remain competitive or that certain of our products or services will not become obsolete.

Changes in current environmental legislation and enforcement could have an adverse impact on the sale of our environmental control systems and products and on our financial condition, results of operations and cash flows.

Our business is primarily driven by capital spending, clean air rules, plant upgrades by our customers to comply with laws and regulations governing the discharge of pollutants into the environment or otherwise relating to the protection of the environment or human health. These laws include, but are not limited to, United States federal statutes such as the Resource Conservation and Recovery Act of 1976, the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, the Clean Water Act, the Clean Air Act, the Clean Air Interstate Rule, and the regulations implementing these statutes, as well as similar laws and regulations at state and local levels and in other countries. These United States laws and regulations may change and other countries may not adopt similar laws and regulations. Our business may be adversely impacted to the extent that environmental regulations are repealed, amended, implementation dates are delayed, or to the extent that regulatory authorities reduce enforcement.

Our operations outside of the United States are subject to political, investment and local business risks.

For the year ended December 31, 2021, approximately 38% of our total revenue was derived from products or services ultimately delivered or provided to end users outside the United States. As part of our operating strategy, we intend to expand our international operations through internal growth and selected acquisitions. Operations outside of the United States, particularly in emerging markets, are subject to a variety of risks that are different from or are in addition to the risks we face within the United States. Among others, these risks include: (i) local, economic, political and social conditions, including potential hyperinflationary conditions and political instability in certain countries; (ii) tax-related risks, including the imposition of taxes and the lack of beneficial treaties, that result in a higher effective tax rate for us; (iii) imposition of limitations on the remittance of dividends and payments by foreign subsidiaries; (iv) difficulties in enforcing agreements and collecting receivables through certain foreign local systems; (v) domestic and foreign customs, tariffs and quotas or other trade barriers; (vi) risk of nationalization of private enterprises by foreign governments; (vii) managing and obtaining support and distribution channels for overseas operations; (viii) hiring and retaining qualified management personnel for our overseas operations; (ix) the results of new trade agreements and changes in membership to international coalitions or unions, the United Kingdom's exit from the European Union; and (x) the effects of COVID-19 and the extent to which the pandemic may disrupt global capital markets, supply chains, and/or our foreign operations.

We are also exposed to risks relating to U.S. policy with respect to companies doing business in foreign jurisdictions. Changes in laws or policies governing the terms of foreign trade, in particular increased trade restrictions, tariffs or taxes on import from countries where we procure or manufacture products, such as China, could have a material adverse effect on our business and results of operations. For instance, the U.S. and Chinese governments have imposed a series of significant incremental retaliatory tariffs to certain imported goods. Given the uncertainty regarding the duration of the imposed tariffs, as well as the potential for additional tariffs by the U.S., China or other countries, as well as other changes in tax policy, trade regulations or trade agreements, and the Company's ability to implement strategies to mitigate the impact of changes in tax policy, tariffs or other trade regulations, our exposure to the risks described above could have a material adverse effect on our business and results of operations.

In addition, compliance with foreign and domestic legal and regulatory requirements, including import, export, defense regulations and foreign exchange controls and anti-corruption laws, such as the Foreign Corrupt Practices Act, the United Kingdom's Bribery Act, the European Union's General Data Protection Regulations and similar laws of other jurisdictions, could adversely impact our ability to compete against companies in such jurisdictions. Moreover, the violation of such laws or regulations, by us or our representatives, could result in severe penalties including monetary fines, criminal proceedings and suspension of export privileges. We operate in many parts of the world that have experienced governmental corruption to some degree and, in certain circumstances, strict compliance with anti-bribery laws may conflict with local customs and practices. We cannot assure you that our internal controls and procedures will always protect us from reckless or criminal acts committed by our employees or agents. If we are found to be liable for such violations, we could suffer from criminal or civil penalties or other sanctions, including loss of export privileges or authorization needed to conduct aspects of our international business, which could have a material adverse effect on our business.

The occurrence of one or more of the foregoing factors could have a material adverse effect on our international operations or upon our financial condition, results of operations and cash flows.

Changes in laws or regulations or the manner of their interpretation or enforcement could adversely impact our financial performance and restrict our ability to operate our business or execute our strategies.

New laws or regulations, or changes in existing laws or regulations, or the manner of their interpretation or enforcement, could increase our cost of doing business and restrict our ability to operate our business or execute our strategies. In particular, there is continued uncertainty with respect to United States trade policies, treaties, government regulations and tariffs. Any changes the Biden administration makes to United States administrative policy could result in changes to existing trade agreements, greater restrictions on free trade generally and significant increases in tariffs on goods imported into the United States, particularly tariffs on products

manufactured in Mexico and China, among other possible changes. A trade war or other governmental action related to tariffs or international trade agreements, and any resulting negative sentiments towards the United States as a result thereof, would likely have an adverse effect on our international operations or upon our business, financial condition, results of operations and cash flows.

#### Risks Related to Our Common Stock

The market price of our common stock may be volatile or may decline regardless of our operating performance and investors may not be able to resell shares they purchase at their purchase price.

The stock market has experienced and may in the future experience volatility that has often been unrelated to the operating performance of particular companies. The market price of our common stock has experienced, and may continue to experience, substantial volatility. During 2021, the sales price of our common stock on the NASDAQ ranged from \$5.77 to \$9.47 per share. We expect our common stock to continue to be subject to fluctuations. Broad market and industry factors may adversely affect the market price of our common stock, regardless of our actual operating performance. Factors that could cause fluctuation in the common stock price may include, among other things:

- actual or anticipated variations in operating results;
- adverse general economic conditions, including, but not limited to, withdrawals of investments in the stock markets generally or a tightening of credit available to potential acquirers of businesses, that result in lower average prices being paid for public company shares and lower valuations being placed on businesses;
- other domestic and international macroeconomic factors unrelated to our performance;
- health epidemics and other outbreaks, including the COVID-19 pandemic;
- our failure to meet the expectations of the investment community;
- industry trends and the business success of our customers;
- loss of key customers;
- announcements of technological advances by us or our competitors;
- current events affecting the political and economic environment in the United States;
- conditions or trends in our industry, including demand for our products and services, technological advances and governmental regulations;
- litigation or other proceedings involving or affecting us; and
- additions or departures of our key personnel.

The realization of any of these risks and other factors beyond our control could cause the market price of our common stock to decline significantly.

We are not currently paying dividends and cannot make assurances that we will pay dividends on our common stock and our indebtedness could limit our ability to pay dividends.

The timing, declaration, amount and payment of future dividends to our stockholders fall within the discretion of our Board of Directors and will depend on many factors, including our financial condition, results of operations and capital requirements, as well as applicable legal or regulatory constraints, industry practice and other business considerations that our Board of Directors considers relevant. We have not paid a cash dividend on our common stock in any of the years ended December 31, 2021, 2020 or 2019 and currently intend to retain future earnings, if any, to finance the operations, growth and development of our business into the foreseeable future.

Our ability to issue preferred stock could adversely affect the rights of holders of our common stock.

Our certificate of incorporation authorizes us to issue up to 10,000 shares of preferred stock in one or more series on terms that may be determined at the time of issuance by our Board of Directors. Accordingly, we may issue shares of any series of preferred stock that would rank senior to our common stock as to voting or dividend rights or rights upon our liquidation, dissolution or winding up.

Certain provisions in our charter documents have anti-takeover effects.

Certain provisions of our certificate of incorporation and bylaws may have the effect of delaying, deferring or preventing a change in control of us. Such provisions, including those limiting who may call special stockholders' meetings, together with the possible issuance of our preferred stock without stockholder approval, may make it more difficult for other persons, without the approval of our Board of Directors, to make a tender offer or otherwise acquire substantial amounts of our common stock or to launch other takeover attempts that a stockholder might consider to be in such stockholder's best interest.

#### **General Risk Factors**

Failure to maintain adequate internal controls could adversely affect our business.

Under Section 404 of the Sarbanes-Oxley Act of 2002, we are required to include in each of our Annual Reports on Form 10-K a report containing our management's assessment of the effectiveness of our internal control over financial reporting and an attestation report of our independent auditor. These laws, rules and regulations continue to evolve and could become increasingly stringent in the future. We have undertaken actions to enhance our ability to comply with the requirements of the Sarbanes-Oxley Act of 2002, including, but not limited to, the engagement of consultants, the documentation of existing controls and the implementation of new controls or modification of existing controls as deemed appropriate.

We continue to devote substantial time and resources to the documentation and testing of our controls, and to plan for and the implementation of remedial efforts in those instances where remediation is indicated. If we fail to maintain the adequacy of our internal controls, including remediating any material weaknesses or deficiencies in our internal controls, as such standards are modified, supplemented or amended in the future, we could be subject to regulatory actions, civil or criminal penalties or stockholder litigation. In addition, failure to maintain adequate internal controls could result in financial statements that do not accurately reflect our financial condition, results of operations and cash flows. We believe that the out-of-pocket costs, the diversion of management's attention from running our day-to-day operations and operational changes caused by the need to comply with the requirements of Section 404 of the Sarbanes-Oxley Act of 2002 will continue to be significant.

There are inherent limitations in all internal control systems over financial reporting, and misstatements due to error or fraud may occur and not be detected.

While we continue to take action to ensure compliance with the internal control, disclosure control and other requirements of the Sarbanes-Oxley Act of 2002 and the rules and regulations promulgated thereunder by the SEC, there are inherent limitations in our ability to control all circumstances. Our management, including our Chief Executive Officer and Chief Financial Officer, do not expect that our internal controls and disclosure controls can prevent all errors and all frauds. A control system, no matter how well conceived and operated, can provide only reasonable assurance that the objectives of the control system are met. In addition, the design of a control system must reflect the fact that there are resource constraints and the benefit of controls must be evaluated in relation to their costs. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, have been detected. These inherent limitations include the realities that judgments in decision-making can be faulty and that breakdowns can occur because of simple error or mistake. Further, controls can be circumvented by individual acts of some persons, by collusion of two or more persons or by management override of the controls. The design of any system of controls also is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Over time, a control may be inadequate because of changes in conditions or the degree of compliance with the policies or procedures may deteriorate. Because of inherent limitations in a cost-effective control system, misstatements due to error or fraud may occur and not be detected.

If we are not able to maintain the adequacy of our internal control over financial reporting, including any failure to implement required new or improved controls, or if we experience difficulties in their implementation, our business, financial condition and operating results could be harmed. We can give no assurances that any additional material weaknesses will not arise in the future due to our failure to implement and maintain adequate internal control over financial reporting.

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

Not Applicable.

#### **Item 2. Properties**

The Company has 24 principal operating facilities across 11 states and seven foreign countries. The Company's executive offices are located in Dallas, Texas. We maintain our facilities in good operating condition, and we believe they are suitable and adequate for the purposes for which they are intended to conduct business. Our current capacity, with limited capital additions, is expected to be sufficient to meet production requirements for the near future. It is anticipated that most leases coming due in the near future will be renewed at expiration. The property we own is subject to collateral mortgages to secure the amounts owed under the Credit Facility. Information on the number and location of principal operating facilities by segment was as follows as of December 31, 2021.

			<b>Location of Facilities</b>		
Segment	Owned	Leased	States	Countries	
Engineered Systems Segment		12	California, Connecticut, New York, Ohio, Texas	United States, The Netherlands, Canada, India, United Arab Emirates, Singapore, United Kingdom, People's Republic of China	
Industrial Process Solutions Segment	1	9	California, Illinois, Indiana, Michigan, North Carolina, Pennsylvania, Tennessee	United States, United Kingdom, The Netherlands, People's Republic of China	
Corporate		2	Ohio, Texas	United States	
	1	23			

# **Item 3. Legal Proceedings**

See Note 12 to the Consolidated Financial Statements contained in Part II, Item 8 of this Annual Report on Form 10-K for information regarding legal proceedings in which we are involved.

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

Not applicable.

#### **PART II**

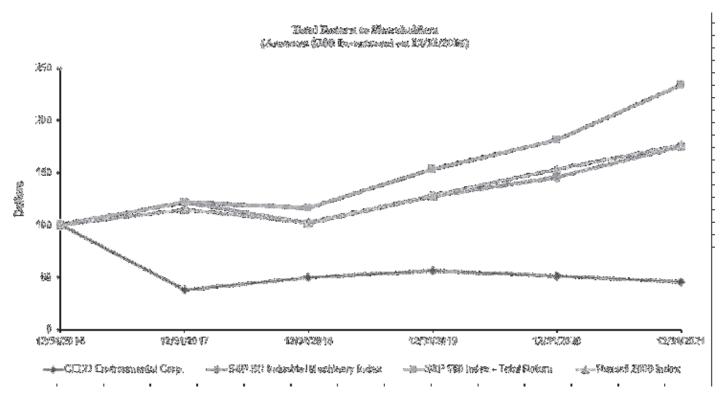
#### Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

#### **Market Information**

Our common stock is traded on The Nasdaq Global Select Market under the symbol "CECE."

#### **Performance Graph**

The following graph sets forth the cumulative total return to CECO's stockholders during the five years ended December 31, 2021, as well as the following indices: Russell 2000 Index, Standard and Poor's ("S&P") 600 Small Cap Industrial Machinery Index, and S&P 500 Index. The following graph assumes \$100 was invested on December 31, 2016, including the reinvestment of dividends, in each category.



#### **Dividends**

The timing, declaration, amount and payment of future dividends to our stockholders fall within the discretion of our Board of Directors and will depend on many factors, including our financial condition, results of operations and capital requirements, as well as applicable legal or regulatory constraints, industry practice and other business considerations that our Board of Directors considers relevant. We have not paid a cash dividend on our common stock in any of the years ended December 31, 2021, 2020 or 2019 and currently intend to retain future earnings, if any, to finance the operations, growth and development of our business into the foreseeable future. Payment of dividends is also subject to the continuing compliance with our financial covenants under our Credit Facility.

#### Holders

The approximate number of registered stockholders of record of our common stock as of February 28, 2022 was 272, although there is a larger number of beneficial owners.

# Purchases of Equity Securities by the Issuer and Affiliated Purchasers

The following table provides information about our purchases of our equity securities for the quarter ended December 31, 2021.

	Issuer's Purchases of Equity Securities			
			<b>Total Number of</b>	Approximate Dollar
			Shares Purchased	Value of Shares That
	Total Number of		as Part of Publicly	May Yet Be
	Shares Purchased	Average Price	Announced Plans	Purchased Under the
Period (amounts in thousands, except per share data)	1	Paid per Share	or Programs	Plans or Programs
October 1, 2021 - October 31, 2021	177	\$ 7.14	177	\$ —
November 1, 2021 - November 30, 2021		_	_	_
December 1, 2021 - December 31, 2021			<u> </u>	_
Total	177	\$ 7.14	177	_

<sup>(1)</sup> On August 3, 2021, the Company publicly announced that its Board of Directors authorized a \$5.0 million share repurchase program. In October 2021, the Company repurchased the remaining portion authorized under the Plan. See Note 9 for additional information.

# **Recent Sales of Unregistered Securities**

Not applicable.

Item 6. [Reserved]

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

Management's discussion and analysis ("MD&A") should be read in conjunction with the consolidated financial statements and accompanying notes included in Item 8 of this Annual Report on Form 10-K, which include additional information about our accounting policies, practices and the transactions underlying our financial results. The preparation of our consolidated financial statements in conformity with GAAP requires us to make estimates and assumptions that affect the reported amounts in our consolidated financial statements and the accompanying notes including various claims and contingencies related to lawsuits, taxes, environmental and other matters arising during the normal course of business. We apply our best judgment, our knowledge of existing facts and circumstances and actions that we may undertake in the future in determining the estimates that affect our consolidated financial statements. We evaluate our estimates on an ongoing basis using our historical experience, as well as other factors we believe appropriate under the circumstances, such as current economic conditions, and adjust or revise our estimates as circumstances change. As future events and their effects cannot be determined with precision, actual results may differ from these estimates.

#### Overview

#### Business Overview

CECO is a leading environmentally focused, diversified industrial company whose solutions protect people, the environment, and industrial equipment. We focus on engineering, designing, building, and installing systems that capture, clean and destroy air and water borne emissions from industrial facilities, as well as fluid handling, gas separation, and filtration systems. CECO provides innovative technology and application expertise that helps companies grow their businesses with safe, clean, and more efficient solutions to protect our shared environment.

CECO serves diverse industries globally by working to improve air and water quality, protect customer's equipment, and provide customized engineered solutions in our customers' mission critical applications. The industries CECO serves include power generation, petrochemical processing, general industrial, refining, midstream oil & gas, electric vehicle production, poly silicon fabrication, battery recycling, and wastewater treatment, along with a wide range of other industries.

#### COVID-19

A novel strain of coronavirus ("COVID-19") surfaced in late 2019 and has spread around the world, including to the United States. In March 2020, the World Health Organization characterized COVID-19 as a pandemic. The COVID-19 pandemic persists in geographic areas in which we have operations, suppliers, customers and employees, and has had a significant impact on worldwide economic activity and on macroeconomic conditions and the end markets of our business.

As a key supplier to critical infrastructure projects, CECO has worked to maintain ongoing operations. Within the United States, certain portions of our business have been designated an essential business, and we continue to operate our business in compliance with applicable state and local laws and are observing recommended Centers for Disease Control and Prevention guidelines to minimize the risk of spreading the COVID-19 virus including implementing, where possible, work-from-home procedures and additional sanitization efforts where facilities remain open to provide necessary services. This allows us to continue to serve our customers, however, the COVID-19 pandemic has also disrupted our international operations. Some of our facilities and our suppliers have experienced temporary disruptions as a result of the COVID-19 pandemic, and we continue to work closely with our global supply chain to proactively support customers during this critical time. We cannot predict whether our facilities will experience more significant disruptions in the future or the impact on our suppliers.

The senior management team meets regularly to review and assess the status of the Company's operations and the health and safety of its employees. The senior management team continues to monitor and manage the Company's ability to operate effectively. We are currently experiencing shortages of raw materials and inflationary pressures for certain materials and labor. We expect these supply chain challenges and cost impacts to continue for the foreseeable future as markets recover. Although we have secured additional raw materials from existing and alternate suppliers and have taken other mitigating actions to mitigate supply disruptions, we cannot guarantee that we can continue to do so in the future. In this event, our business, results and financial condition could be adversely affected. Although vaccines are available in various countries where we operate, health concern risks remain and notwithstanding the Company's continued efforts, it is possible the COVID-19 pandemic could further impact our operations and the operations of our suppliers and venders, particularly in light of newly emerging variant strains of the virus becoming more dominant and the potential resumption of high levels of infection and hospitalization. We cannot predict whether any of our manufacturing, operations or suppliers will be disrupted by these events, or how long such disruptions would last. COVID-19 has had and may have further negative impacts on our operations, customers and supply chain despite the preventative and precautionary measures being taken.

#### *Industry Trends and Corporate Strategy*

We are a global corporation with worldwide operations. As a global business, our operations are affected by worldwide, regional and industry-specific economic factors, wherever we operate or do business. Our geographic and industry diversity, and the breadth of our product and services portfolio, have helped mitigate the impact of any one industry or the economy of any single country on our consolidated operating results.

We believe growth for our products and services is driven by the increase in demand for air quality and water treatment solutions, the energy transition, a shift towards cleaner sources of fuel such as natural gas, hydrogen, nuclear, and renewable sources, and increased awareness of our customer's corporate social responsibility to procure sustainable equipment that protects employees, the environment and their industrial equipment.

With a shift to cleaner, more environmentally responsible power generation, power providers and industrial power consumers are building new facilities that use cleaner fuels. In developed markets, natural gas is the largest source of electricity generation. We supply product offerings throughout the entire natural gas infrastructure value chain and believe expansion will drive growth within our Engineered Systems segment for our gas separation & filtration, pressure products, acoustical equipment, water treatment solutions and DeNOx SCR systems for natural-gas-fired power plants. Increased global natural gas production as a percent of total energy consumption, miles of new pipeline, including future CO2 and hydrogen pipelines, being added globally, and an increase in liquified natural gas ("LNG") capacity all stand to drive the need for our products.

We also believe there is a growing trend to control and reduce air and water emissions for which our pollution control equipment will serve. In 2021, the US Congress passed the Infrastructure Investment and Jobs Act with \$550 billion of new federal spending aimed at rebuilding roads and bridges, climate resilience, and other environmental initiatives. As industrial capital expenditures grow, corporations are seeking to do so with a smaller environmental impact. This regulatory and economic tailwind coupled with shareholders pressure on companies to improve their sustainability footprint serve as dual benefits to our opportunities for our portfolio of solutions.

We continue to focus on increasing revenues and profitability in emerging markets, where environmental standards are increasing, while continuing to strengthen and expand our product offerings and channels domestically. Our enterprise strategy consists of both an operational strategy and capital allocation strategy. Our operational strategy is driven by our technology platforms which are based on applications, customers and end markets served. Emphasis is placed on sales and operational excellence, margin expansion, aftermarket recurring revenue growth, cash flow generation, product management, and project management execution, all of which are critical to our operational strategy. Our capital allocation strategy is to significantly increase the size of CECO and transform the mix of businesses. We will focus our capital on building out our leading air quality and water treatment positions, while also shifting our portfolio mix towards businesses with more recurring revenue and more predictable cash flows, in end markets with strong secular growth trends and less in our traditionally cyclical, energy-centric end markets. Our combined enterprise strategy intends to transform CECO into an environmentally focused, diversified industrial organization.

# **Operations Overview**

We operate our technology platforms serving their respective niche end markets. Our platforms are structured to win in their target markets with a core focus on understanding customer needs. Our business model requires scalable efficiencies enabling us to serve our customers with a variety of products that we typically classify into three categories: make-to-order, configure-to-order, and engineer-to-order. For our project-based platforms, we use an asset light business model leveraging third-party subcontract fabricators to execute for our customers world-wide. These platforms are focused on application engineering, project management, and supply chain execution for our customers.

The Company's operations management team has distinct industry expertise coupled with strong leadership skills resulting in a customer-first mindset across the business. The operations management team works closely with our Chief Executive Officer on global growth strategies, operational excellence, and employee development.

Within our segments we have monthly business reviews to ensure we are serving customers, achieving our operating plan, and executing on strategic growth initiatives. These reviews include, but are not limited to quotation reviews, project management reviews, financial and KPI analysis, financial and manufacturing scorecards, safety, and customer feedback. In these reviews we focus on metrics such as quality, customer satisfaction, on-time-delivery, lead-times, price, inflation, project margins, backlog, and above all, safety.

The headquarters focuses on enabling the core back-office functions for scale, efficiency, and compliance. These key functions include: accounting, payroll, human resources/benefits, legal, information technology, marketing, environmental, health and safety,

internal control over financial reporting, and administration. We have excellent collaboration between our operational platforms and our central service functions ensuring optimal efficiency and alignment on growth initiatives at the lowest possible cost structure.

Our reportable segments are:

- Engineered Systems segment: Our Engineered Systems segment, formerly known as the Energy Solutions segment, serves the power generation, refinery, water/wastewater and midstream oil & gas markets. We are a key part of helping meet the global demand for environmental and equipment protection through our highly engineered platforms including emissions management, fluid bed cyclones, thermal acoustics, separation & filtration, and dampers & expansion joints.
- Industrial Solutions segment: Our Industrial Process Solutions segment is the combination of the segments formerly known as our Industrial Solutions segment and our Fluid Handling Solutions segment, which serves the broad industrial air pollution control, beverage can, fluid handling, electric vehicle production, food and beverage, semi-conductor, process filtration, pharmaceutical, petrochemical, wastewater treatment, wood manufacturing, desalination, and aquaculture markets. We protect the air we collectively breathe, maintain clean and safe operations for employees, lower energy consumption, minimize waste for customers, and ensure they meet regulatory compliance standards for toxic emissions, fumes, volatile organic compounds and odors through our platforms including duct & installation, industrial air, and fluid handling.

Our contracts are obtained either through competitive bidding or as a result of negotiations with our customers. Contract terms offered by us are generally dependent on the complexity and risk of the project as well as the resources that will be required to complete the project. Our focus is on increasing our operating margins as well as our gross margin percentage, which translates into stronger operating results.

Our cost of sales is principally driven by a number of factors, including material and subcontract prices and labor cost and availability. Changes in these factors may have a material impact on our overall gross profit margins.

We break down costs of sales into five categories. They are:

- Subcontracts—Electrical work, concrete work, subcomponents and other subcontracts necessary to produce our products;
- Labor—Our direct labor both in the shop and in the field;
- Material—Raw material that we buy to build our products;
- Equipment—Fans, motors, control panels and other equipment necessary for turnkey systems; and
- Factory overhead—Costs of facilities and supervision wages necessary to produce our products.

In general, subcontracts are the highest percentage of costs and also the most flexible followed by labor, material, and equipment. Due to the project nature and global orientation of several of our platforms, leveraging subcontract fabrication partners close to our customers increases our ability to meet customer delivery expectations at market competitive pricing. In periods where orders are infrequent, we do not have to maintain the fixed cost of a manufacturing plant. Across our various product lines, the relative relationships of these cost categories change and cause variations in gross margin percentage. Material and labor costs can increase fast, which also reduces gross margin percentage. As material cost inflation occurs, the Company seeks to pass this cost onto our customers as price increases.

Selling and administrative expense principally includes sales and engineering payroll and related fringes, advertising and marketing expenditures as well as all corporate and administrative functions and other costs that support our operations. The majority of these expenses are fixed. An advantage of our asset light model is that as revenue grows, we have significant operating leverage on our fixed selling and administrative cost structure.

## **Note Regarding Use of Non-GAAP Financial Measures**

The Company's consolidated financial statements are prepared in accordance with accounting principles generally accepted in the United States of America ("GAAP"). These GAAP financial statements include certain charges the Company believes are not indicative of its ongoing operational performance.

As a result, the Company provides financial information in this MD&A that was not prepared in accordance with GAAP and should not be considered as an alternative to the information prepared in accordance with GAAP. The Company provides this supplemental

non-GAAP financial information, which the Company's management utilizes to evaluate its ongoing financial performance, and which the Company believes provides greater transparency to investors as supplemental information to its GAAP results.

The Company has provided the non-GAAP financial measures including non-GAAP operating income, non-GAAP operating margin, and non-GAAP net income as a result of the adjustment for items that the Company believes are not indicative of its ongoing operations. These items include charges associated with the Company's acquisitions, divestitures and the items described below in "Consolidated Results." The Company believes that evaluation of its financial performance compared with prior and future periods can be enhanced by a presentation of results that exclude the impact of these items. The Company has incurred substantial expense and income associated with acquisitions and divestitures. While the Company cannot predict the exact timing or amounts of such charges, it does expect to treat these charges as special items in its future presentation of non-GAAP results.

# **Results of Operations**

#### **Consolidated Results**

Our consolidated statements of income for the years ended December 31, 2021, 2020 and 2019 are as follows:

(dollars in millions)		2021				2019
Net sales	\$	324.1	\$	316.0	\$	341.9
Cost of goods sold		223.2		210.9		227.8
Gross profit	\$	100.9	\$	105.1	\$	114.1
Percent of sales		31.1%		33.3%		33.4%
Selling and administrative expenses	\$	81.8	\$	76.9	\$	85.9
Percent of sales		25.2%		24.3%		25.1%
Amortization and earnout expenses		7.8		8.8		8.5
Restructuring expenses		0.6		2.3		1.1
Acquisition and integration expenses		0.8		1.4		0.5
Executive transition expenses				1.5		_
Loss on divestitures, net of selling costs		_		<u>—</u>		0.1
Intangible asset impairment				0.9		_
Operating income	\$	9.9	\$	13.3	\$	18.0
Percent of sales		3.1%		4.2%		5.3%

## Non-GAAP Measures

To compare operating performance between the years ended December 31, 2021, 2020 and 2019, the Company has adjusted GAAP operating income to exclude (1) amortization of intangible assets, earnout and retention expenses, (2) restructuring expenses primarily relating to severance, facility exits, and associated legal expenses, (3) acquisition and integration expenses, which include legal, accounting, and other expenses, (4) executive transition expenses, including severance for its former Chief Executive Officer, fees and expenses incurred in the search, for and hiring, of a new Chief Executive Officer, (5) loss on divestitures, net of selling costs necessary to complete the divestiture such as legal, accounting and compliance and (6) intangible asset impairment. See "Note Regarding Use of Non-GAAP Financial Measures" above. The following tables present the reconciliation of GAAP operating income and GAAP operating margin to non-GAAP operating income and non-GAAP operating margin, and GAAP net income to non-GAAP net income.

	Year Ended December 31,				
(dollars in millions)	2	2021 2	2020	2019	
Operating income as reported in accordance with GAAP	\$	9.9 \$	13.3 \$	18.0	
Operating margin in accordance with GAAP		3.1%	4.2%	5.3%	
Amortization and earnout expenses		7.8	8.8	8.5	
Restructuring expenses		0.6	2.3	1.1	
Acquisition and integration expenses		0.8	1.4	0.5	
Executive transition expenses		_	1.5	_	
Loss on divestitures, net of selling costs		_	_	0.1	
Intangible asset impairment		_	0.9	_	
Non-GAAP operating income	\$	19.1 \$	28.2 \$	28.2	
Non-GAAP operating margin		5.9%	8.9%	8.2%	

	Year Ended December 31,					
(dollars in millions)		2	020		2019	
Net income as reported in accordance with GAAP	\$	1.4	\$	8.2	\$	17.7
Amortization and earnout expenses		7.8		8.8		8.5
Restructuring expenses		0.6		2.3		1.1
Acquisition and integration expenses		0.8		1.4		0.5
Executive transition expenses		<del></del>		1.5		_
Loss on divestitures, net of selling costs						0.1
Intangible asset impairment				0.9		_
Deferred financing fee adjustment				_		0.4
Foreign currency remeasurement		2.0		0.3		(0.5)
Tax (benefit) expense of adjustments		(2.8)		(3.9)		(2.5)
Zhongli tax benefit		<u> </u>		<u> </u>		(4.4)
Non-GAAP net income	\$	9.8	\$	19.5	\$	20.9
Non-GAAP net income as a percentage of sales		3.0%		6.2%		6.1%

# Comparison of the years ended December 31, 2021 and 2020

Consolidated net sales in 2021 were \$324.1 million compared with \$316.0 million in 2020, an increase of \$8.1 million. The increase is attributable to increases of \$11.8 million in volatile organic compounds ("VOC") abatement solutions from the Environmental Integrated Solutions ("EIS") business, \$8.0 million in our Regenerative Thermal Oxidizer ("RTO") solutions, \$5.8 million in our industrial dampers and expansion joint products, \$2.9 million in our pump products, and \$2.3 million in our custom-designed dust collection and ventilation solutions. These increases were partially offset by the effects of the Covid-19 pandemic on global demand for certain products in 2021, which includes decreases of \$16.7 million in our gas and water separation & filtration products serving the midstream oil & gas end markets, and \$6.3 million in our custom-engineered fluid bed cyclone systems serving refinery markets.

Gross profit decreased by \$4.2 million, or 4.0%, to \$100.9 million in 2021 compared with \$105.1 million in 2020. The decrease in gross profit is primarily related to inflation, supply chain challenges, and lower margin mix of projects awarded in 2020 and executed during 2021. Gross profit as a percentage of sales decreased to 31.1% in 2021 compared with 33.3% in 2020, respectively. As described, we are currently experiencing shortages of raw materials and inflationary pressures for certain materials and labor. We expect these supply chain challenges and cost impacts to continue for the foreseeable future as markets recover. Although we have secured additional raw materials from existing and alternate suppliers and have taken other mitigating actions to mitigate supply disruptions, such as implementing price increases and material surcharges that are passed along to customers. We cannot guarantee that we can continue to do so in the future. In this event, our business, results and financial condition could be adversely affected.

Orders booked were \$360.8 million in 2021 compared with \$279.6 million in 2020. The increase is primarily attributable to increases in the electrical vehicle production, engineered wood, aluminum beverage can, refinery and power generation end markets.

Selling and administrative expenses were \$81.8 million in 2021 compared with \$76.9 million in 2020. The increase is primarily attributed to cost reduction measures related to the COVID-19 pandemic implemented in 2020, that did not recur in 2021, such as furloughs and one-time reductions including wage reductions and travel restrictions. Selling and administrative expenses as a percentage of sales were 25.2% in 2021 compared with 24.3% in 2020.

Amortization and earnout expense was \$7.8 million in 2021 and \$8.8 million in 2020. The decrease in expense is primarily attributable to \$0.7 million decrease indefinite lived asset amortization and \$0.3 million in lower earnout expenses. See Note 7 to the Consolidated Financial Statements for further discussion on earnout expenses.

Acquisitions and integration expenses related to various merger and acquisition diligence activities (including EIS and Mader acquisitions), which include legal, accounting and banking expenses were \$0.8 million in 2021, as compared with \$1.4 million in 2020.

Operating income for 2021 was \$9.9 million, a decrease of \$3.4 million from \$13.3 million in 2020. Operating income as a percentage of sales for 2021 was 3.1% compared with 4.2% for 2020. The decrease in operating income is primarily attributable to lower margin mix of products sold during the year, the discontinuance of certain COVID-19 cost reduction measures discussed above, partially offset by lower amortization and earnout expenses, restructuring expenses, acquisition and integration expenses, and executive transition expenses.

Non-GAAP operating income was \$19.1 million in 2021 and \$28.2 million in 2020. The decrease in non-GAAP operating income is primarily attributable to the lower gross profit and the discontinuance of certain COVID-19 cost reduction measures discussed above. Non-GAAP operating income as a percentage of sales for 2021 was 5.9% compared with 8.9% for 2020.

Interest expense decreased to \$3.0 million in 2021 from \$3.5 million in 2020. The decrease is due to lower interest rates and lower average debt balances in 2021 compared to 2020.

Income tax expense was \$2.7 million and \$3.7 million in 2021 and 2020, respectively. The effective tax rate for 2021 was 57.6% compared with 30.1% in 2020.

Income tax expense and the effective tax rate for 2021 were affected by certain permanent differences, including state income taxes, non-deductible incentive stock-based compensation, tax credits, and differences in tax rates among the jurisdictions in which we operate.

# Comparison of the years ended December 31, 2020 and 2019

See the Management Discussion and Analysis section of our Annual Report on Form 10-K for the year ended December 31, 2020 for a discussion of our consolidated results of operations for the year ended December 31, 2020 compared to the year ended December 31, 2019. The results of operations for our business segments for the year ended December 31, 2020 compared to the year ended December 31, 2019 has been recast below to give effect to the segment realignment in the first quarter of 2021.

## **Business Segments**

During the first quarter of 2021, management determined that a realignment of the Company's segments was necessary to better reflect the solutions we provide, and the end markets we serve. As a result of this realignment, we combined the operating results of the prior Industrial Solutions segment and Fluid Handling Solutions segment into a single reportable segment named the Industrial Process Solutions segment. Additionally, the Energy Solutions segment was renamed the Engineered Systems segment. The results of the segments for the prior year periods have been re-cast to reflect this re-alignment. See note 16 to the consolidated financial statements included in this report.

The Company's operations are organized and reviewed by management along its product lines and end markets that the segment serves and are presented in two reportable segments. The results of the segments are reviewed through the "Income from operations" line on the Consolidated Statements of Income. The amounts presented in the Net Sales table below and in the following comments regarding our net sales at the reportable business segment level exclude both intra-segment and inter-segment net sales. The Income from Operations table and corresponding comments regarding operating income (loss) at the reportable segment level include both intra-segment and inter-segment operating income. The exclusion of the Divestitures' operating results subsequent to their disposition impacts the comparability of our segment operating results.

	 2021		2020	 2019
Net Sales (less intra-, inter-segment sales)				
(table only in thousands)				
Engineered Systems Segment	\$ 186,926	\$	205,494	\$ 210,319
Industrial Process Solutions Segment	137,214		110,517	131,550
Net sales	\$ 324,140	\$	316,011	\$ 341,869
				 <del></del>

	2021		2020		2019
Income from Operations	 _		_		
(table only in thousands)					
Engineered Systems segment	\$ 25,770	\$	34,170	\$	33,886
Industrial Process Solutions segment	15,054		7,220		11,237
Corporate and Other (1)	(30,967)		(28,044)		(27,133)
Income from operations	\$ 9,857	\$	13,346	\$	17,990

(1) Includes corporate compensation, professional services, information technology, other general and administrative corporate expenses and loss on divestitures, net of selling costs. This figure excludes earnout expenses / income, which are recorded in the segment in which the expense / income occurs.

#### Comparison of the years ended December 31, 2021 and 2020

## Engineered Systems segment

Our Engineered Systems segment net sales decreased \$18.6 million to \$186.9 million in 2021 compared with \$205.5 million in 2020, a decrease of 9.1%. The decrease is primarily attributable to the effect of COVID-19 on global demand for certain products which included decreases of \$16.7 million in our gas separation & filtration products serving the midstream oil & gas end markets, and \$6.3 million in our custom-engineered fluid bed cyclone systems serving refinery markets, partially offset by an increase of \$5.8 million in our industrial dampers and expansion joint products.

Operating income for the Engineered Systems segment decreased \$8.4 million to \$25.8 million for 2021 compared with \$34.2 million in 2020, a decrease of 24.6%. The decrease in operating income in 2021 is primarily attributable to the decrease in gross profit of \$9.2 million due to decrease in net sales, inflation, supply chain challenges and lower margin mix of projects awarded in 2020 and executed during 2021.

# Industrial Process Solutions segment

Our Industrial Process Solutions segment net sales increased \$26.7 million to \$137.2 million in 2021 compared with \$110.5 million in 2020, an increase of 24.2%. The increase is primarily attributable to increases of \$11.8 million in volatile organic compounds ("VOC") abatement solutions from the Environmental Integrated Solutions ("EIS") business serving the aluminum beverage can market, \$8.0 million in our Regenerative Thermal Oxidizer ("RTO") solutions serving the electric vehicle and general industrial markets, \$2.9 million in our pump products, and \$2.3 million in our custom-designed dust collection and ventilation solutions serving the general industrial markets.

Operating income increased \$7.9 million to \$15.1 million for 2021 compared with \$7.2 million in 2020. The increase is primarily attributable to an increase of \$5.0 million in gross profit driven by increased net sales, a decrease of \$1.1 million in restructuring expenses related to the EIS acquisition, a decrease of \$0.9 million related to impairment charges in the prior year, a decrease in selling, general and administrative expenses of \$0.5 million and a decrease in earnout expenses of \$0.3 million.

## Corporate and Other segment

Operating expense for the Corporate and Other segment increased \$3.0 million to \$31.0 million for 2021 compared with \$28.0 million for 2020. The increase is primarily attributable to a \$5.4 million increase in selling, general and administrative expense related to the discontinuation of certain cost reduction measures in response to the COVID-19 pandemic, such as furloughs and one-time reductions including wage reductions and travel restrictions, partially offset by lower executive transition expense of \$1.5 million, lower acquisition and integration expenses of \$0.6 million, and lower restructuring expenses of \$0.4 million.

# Comparison of the years ended December 31, 2020 and 2019

# Engineered Systems segment

Our Engineered Systems segment net sales decreased \$4.8 million to \$205.5 million in 2020 compared with \$210.3 million in 2019, a decrease of 2.3%. The decrease is primarily attributable to decreases of \$18.2 million in custom-engineered fluid bed cyclone systems that serve the refinery market offset by increases of \$10.1 million in the Company's custom acoustical technologies that serve the natural gas power generation markets and \$3.3 million in volume increases in our emissions management and water filtration solutions technologies.

Operating income increased \$0.3 million to \$34.2 million for 2020 compared with \$33.9 million in 2019, an increase of 0.8%. The increase in operating income in 2020 is primarily attributable to the decrease of \$2.6 million in selling and administrative expenses related to the cost reductions as described above and the decrease in amortization expenses of \$1.1 million partially offset by a decrease in gross profit of \$3.1 million due to lower net sales and unfavorable product mix and an increase of \$0.3 million in restructuring expense.

#### Industrial Process Solutions segment

Our Industrial Process Solutions segment net sales decreased \$21.0 million in 2020 to \$110.5 million compared with \$131.5 million in 2019, a decrease of 16.0%. The decrease is primarily related to decreases of \$24.5 million in our air pollution control technologies, \$4.4 million attributable to volume decreases in the Company's liquid filtration and pump solutions product line driven by lower demand from oil & gas, hospitality and desalination end market customers, partially offset by \$8.1 million increase in VOC abatement solutions from the EIS acquisition.

Operating income decreased \$4.0 million to \$7.2 million for 2020 compared with \$11.2 million in 2019, a decrease of 35.7%. The decrease is primarily attributable to \$6.2 million decrease in gross profit due to lower net sales, an increase of \$1.5 million in amortization and earnout expenses primarily due to the EIS acquisition, \$0.9 million impairment charges and \$0.7 million in restructuring costs. These costs were partially offset by \$5.0 million reduction in selling, general and administrative expenses related to cost reductions described above.

# Corporate and Other segment

Operating expense for the Corporate and Other segment increased \$0.9 million to \$28.0 million for 2020 compared with \$27.1 million for 2019. The increase is primarily attributable to a \$1.5 million increase in executive transition expenses, \$0.9 million increase in acquisition and integration expenses, partially offset by \$1.5 million decrease in selling and administration expenses related to cost reductions described above.

# **Liquidity and Capital Resources**

When we undertake large jobs, our working capital objective is to make these projects self-funding. We work to achieve this by obtaining initial down payments, progress billing contracts, when possible, utilizing extended payment terms from material suppliers, and paying sub-contractors after payment from our customers, which is an industry practice. Our investment in net working capital is funded by cash flow from operations and by our revolving line of credit.

At December 31, 2021, the Company had working capital of \$72.3 million, compared with \$74.1 million at December 31, 2020. The ratio of current assets to current liabilities was 1.62 to 1.00 at December 31, 2021 as compared with a ratio of 1.68 to 1.00 at December 31, 2020.

At December 31, 2021 and 2020, cash and cash equivalents totaled \$29.9 million and \$36.0 million, respectively. As of December 31, 2021 and 2020, \$22.6 million and \$28.0 million, respectively, of our cash and cash equivalents were held by non-U.S. subsidiaries, as well as being denominated in foreign currencies.

Debt consisted of the following:

(table only in thousands)		2021		2020
Outstanding borrowings under Credit Facility				
Term loan payable in quarterly principal installments of \$0.6 million				
through September 2023, \$0.8 million through September 2025 and \$1.1 million				
thereafter with balance due upon maturity in September 2026.				
- Term loan	\$	43,511	\$	46,250
<ul> <li>Revolving Credit Loan</li> </ul>		22,000		27,700
<ul> <li>Unamortized debt discount</li> </ul>		(1,731)		(1,334)
Total outstanding borrowings under Credit Facility		63,780		72,616
Less: current portion		(2,203)		(3,125)
Total debt, less current portion	\$	61,577	\$	69,491

In 2021, the Company made repayments of \$2.7 million on the term loan and net paydowns on the revolving credit lines of \$5.7 million

Under the terms of the Credit Facility, the Company is required to maintain certain financial covenants, including the maintenance of a Consolidated Net Leverage Ratio (as defined in the Credit Facility). Through September 30, 2023, the maximum Consolidated Net Leverage Ratio is 3.75, after which time it will decrease to 3.50 until the end of the term of the Credit Facility.

As of December 31, 2021 and 2020, the Company was in compliance with all related financial and other restrictive covenants under the Credit Facility.

#### Foreign Debt

In addition, the Company has a number of bank guarantee facilities and bilateral lines of credit in various foreign countries currently supported by cash, letters of credit or pledged assets and collateral under the Credit Facility. The Credit Facility allows letters of credit and bank guarantee issuances of up to \$65.0 million from the bilateral lines of credit secured by pledged assets and collateral under the Credit Facility.

See Note 8 to the Consolidated Financial Statements for further information on the Company's foreign debt.

Total unused credit availability under our Credit Facility and other non-U.S. credit facilities and agreements, exclusive of any potential asset base limitations, is as follows:

		December 31,				
	2	2021				
(dollars in millions)						
Credit Facility, revolving loans	\$	140.0	\$	140.0		
Draw down		(22.0)		(27.7)		
Letters of credit open		(14.5)		(7.6)		
Total unused credit availability	\$	103.5	\$	104.7		
Amount available based on borrowing limitations	\$	45.9	\$	60.8		

# **Overview of Cash Flows and Liquidity**

	 For t	ber 31,			
(dollars in thousands)	2021	2020		2019	
Total operating cash flow provided by operating activities	\$ 13,298	\$ 4,421	\$	10,227	
Net cash (used in) provided by investing activities	(2,083)	(9,235)		(5,146)	
Net cash provided by (used in) financing activities	(15,556)	3,724		(12,116)	
Effect of exchange rate changes on cash and cash equivalents	 (1,475)	1,943		(445)	
Net increase (decrease) in cash, cash equivalents and restricted cash	\$ (5,816)	\$ 853	\$	(7,480)	

# **Operating Activities**

In 2021, \$13.2 million of cash was provided by operating activities compared with \$4.4 million in 2020, an increase of \$8.8 million. Cash flow from operating activities in 2021 had a favorable impact year-over-year primarily due to certain improvements in net working capital, partially offset by decreases in net earnings.

In 2020, \$4.4 million of cash was provided by operating activities compared with \$10.2 million in 2019, a decrease of \$5.8 million. Cash flow from operating activities in 2020 had an unfavorable impact year-over-year primarily due to decreases in net earnings and certain changes in net working capital.

# **Investing Activities**

In 2021, \$2.1 million of cash was used in investing activities, which consisted of \$2.6 million of acquisition of property and equipment, offset by \$0.5 million of proceeds from the disposal of assets held for sale.

In 2020, \$9.2 million of cash was used in investing activities, which consisted of \$5.9 million for acquisitions, \$3.9 million of acquisition of property and equipment, offset by \$0.6 million of proceeds from the disposal of assets held for sale.

# **Financing Activities**

Financing activities in 2021 used cash of \$15.6 million, which consisted primarily of \$5.7 million net payments on our revolving credit line, \$2.7 million paydown of our term debt, \$5.0 million for the repurchase and retirement of our common stock, \$0.8 million in deferred financing fees paid, \$0.8 million in earnout payments, and \$0.6 million in payments on our capital leases.

Financing activities in 2020 provided cash of \$3.7 million, which consisted primarily of \$9.2 million in net borrowings from our revolving credit lines of which \$10.3 million was used to fund the EIS acquisition on June 4, 2020. This was offset by \$2.5 million of payments on our term loan, \$2.6 million used to pay term debt assumed in connection with the Mader joint venture on July 31, 2020, and \$0.5 million in payments on capital leases.

Our primary sources of liquidity are cash generated from operations and borrowing availability under the Credit Facility. We believe that cash flows from operating activities, together with our existing cash and borrowings available under our Credit Facility, will be sufficient for at least the next twelve months to fund our current anticipated uses of cash. After that, our ability to fund these expected uses of cash and to comply with the financial covenants under our debt agreements will depend on the results of future operations, performance and cash flow. Our ability to fund these expected uses from the results of future operations will be subject to prevailing economic conditions and to financial, business, regulatory, legislative and other factors, many of which are beyond our control.

Our material cash requirements included (i) debt repayments under with respect to our Term Loan and Revolving Credit Loan, (ii) interest expense, (iii) purchase obligations for costs associated with uncompleted sales contracts, (iv) operating and capital lease obligations and (v) contingent liabilities related to acquisitions, including earnout liabilities and retention payments.

We are party to many contractual obligations involving commitments to make payments to third parties, and such commitments require a material amount of cash. The following table summarizes the Company's material cash requirements from known contractual obligations as of December 31, 2021:

	Payments Due by Period								
	Less than 1							More than	
(dollars in thousands)		Total		year		1-3 years		3-5 years	5 years
Term Loan Debt	\$	43,511	\$	2,203	\$	5,781	\$	35,527	\$ _
Revolving Credit Loan		22,000						22,000	
Interest expense (estimated)		6,765		1,629		3,064		2,071	_
Purchase obligations (1)		75,346		75,346					
Operating lease obligations		12,981		2,922		4,666		2,982	2,411
Capital lease obligations		8,205		889		1,832		1,905	3,579
Contingent liabilities related to acquisitions (2)		1,597		1,597		<u> </u>		<u> </u>	 <u> </u>
Totals	\$	170,405	\$	84,586	\$	15,343	\$	64,485	\$ 5,990

- (1) Primarily consists of purchase obligations for costs associated with uncompleted sales contracts.
- (2) Includes expected earnout liability and retention payment.

# **Critical Accounting Policies and Estimates**

Our consolidated financial statements are prepared in conformity with GAAP. The preparation of these financial statements requires the use of estimates, judgments, and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the periods presented. We believe that, of our significant accounting policies, the following accounting policies involve a higher degree of judgments, estimates, and complexity.

# Use of Estimates

Preparation of the consolidated financial statements in accordance with GAAP requires management to make estimates and assumptions affecting the reported amounts of assets, liabilities, revenues and expenses and related contingent liabilities. On an ongoing basis, we evaluate our estimates, including those related to revenues, bad debts, warranties, share based compensation, income taxes, goodwill and intangible asset valuation, and contingencies and litigation. We base our estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances. Actual results may differ from these estimates under different assumptions or conditions.

# Revenue Recognition

A substantial portion of our revenue is derived from fixed-price contracts. We account for a contract after it has been approved by all parties to the arrangement, the rights of the parties are identified, payment terms are identified, the contract has commercial substance and collectability of consideration is probable.

We recognize revenue as performance obligations are satisfied and the customer obtains control of the products and services. A significant amount of our revenue is recognized over a period of time as we perform under the contract because control of the work in process transfers continuously to the customer. For performance obligations to deliver products with continuous transfer of control to the customer, revenue is recognized based on the extent of progress towards completion of the performance obligation. Progress is measured based on the ratio of costs incurred to date to the total estimated costs to complete the performance obligation. For these contracts, the cost-to-cost measure best depicts the continuous transfer of goods or services to the customer.

The judgments and estimates involved include management's ability to accurately estimate the contracts' progress to completion at each financial reporting period. In addition, certain contracts are highly dependent on the work of contractors and other subcontractors participating in a project, over which we have no or limited control, and their performance on such project could have an adverse effect on the profitability of our contracts. Delays resulting from these contractors and subcontractors, changes in the scope of the project, weather, and labor availability also can have an effect on a contract's profitability. Changes to job performance, job conditions, and estimated profitability may result in revisions to contract revenue and costs and are recognized in the period in which the revisions are made.

Provisions for estimated losses on uncompleted contracts are made in the period in which such losses are determined. No provision for estimated losses on uncompleted contracts was needed at December 31, 2021, 2020 and 2019.

#### Inventories

The Company's inventories are valued at the lower of cost or net realizable value using the first-in, first-out inventory costing method. Inventory quantities are regularly reviewed and provisions for excess or obsolete inventory are recorded primarily based on the Company's forecast of future demand and market conditions. Significant unanticipated changes to the Company's forecasts could require a change in the provision for excess or obsolete inventory.

## Long-lived assets

Property, plant and equipment and finite life intangible assets are reviewed whenever events or changes in circumstances occur that indicate possible impairment. If events or changes in circumstances occur that indicate possible impairment, our impairment review is based on an undiscounted cash flow analysis at the lowest level at which cash flows of the long-lived assets are largely independent of other groups of our assets and liabilities. This analysis requires management judgment with respect to changes in technology, the continued success of product lines, and future volume, revenue and expense growth rates. We conduct annual reviews for idle and underutilized equipment, and review business plans for possible impairment. Impairment occurs when the carrying value of the assets exceeds the future undiscounted cash flows expected to be earned by the use of the asset or asset group. When impairment is indicated, the estimated future cash flows are then discounted to determine the estimated fair value of the asset or asset group and an impairment charge is recorded for the difference between the carrying value and the estimated fair value.

Additionally, we also evaluate the remaining useful life each reporting period to determine whether events and circumstances warrant a revision to the remaining period of depreciation or amortization. If the estimate of a long-lived asset's remaining useful life is changed, the remaining carrying amount of the asset is amortized prospectively over that revised remaining useful life.

The Company completes an annual (or more often if circumstances require) impairment assessment of its indefinite life intangible assets. As a part of its annual assessment, typically, the Company first qualitatively assesses whether current events or changes in circumstances lead to a determination that it is more likely than not (defined as a likelihood of more than 50 percent) that the fair value of an asset is less than its carrying amount. If there is a qualitative determination that the fair value of a particular asset is more likely than not greater than its carrying value, we do not need to proceed to the quantitative estimated fair value test for that asset. If this qualitative assessment indicates a more likely than not potential that the asset may be impaired, the estimated fair value is determined by the relief from royalty method. If the estimated fair value of an asset is less than its carrying value, an impairment charge is recorded for the amount by which the carrying value of the asset exceeds its estimated fair value.

During 2021 and 2020, our annual impairment test indicated that zero and one, respectively, of our indefinite-lived tradenames was impaired. Accordingly, we recognized impairment charges in our financial results of zero and \$0.9 million for the years ended December 31, 2021 and 2020, respectively. For additional information on impairment testing results, see Note 6 to the Consolidated Financial Statements.

#### Goodwill

The Company completes an annual (or more often if circumstances require) goodwill impairment assessment on October 1 on a reporting unit level, at or below the operating segment level. As a part of its annual assessment, the Company first qualitatively assesses whether current events or changes in circumstances lead to a determination that it is more likely than not (defined as a likelihood of more than 50 percent) that the fair value of a reporting unit is less than its carrying amount. If there is a qualitative determination that the fair value of a particular reporting unit is more likely than not greater than its carrying value, the Company does not need to quantitatively test for goodwill impairment for that reporting unit. If this qualitative assessment indicates a more likely than not potential that the asset may be impaired, the estimated fair value is calculated using a weighting of the income method and the market method. If the estimated fair value of a reporting unit is less than its carrying value, an impairment charge is recorded.

The Company bases its measurement of the fair value of a reporting unit using a 50/50 weighting of the income method and the market method. The income method is based on a discounted future cash flow approach that uses the significant assumptions of projected revenue, projected operational profit, terminal growth rates, and the cost of capital. Projected revenue, projected operational profit and terminal growth rates are significant assumptions because they are three primary drivers of the projected cash flows in the discounted future cash flow approach. Cost of capital is a significant assumption as it is the discount rate used to calculate the current fair value of those projected cash flows. The market method is based on financial multiples of comparable companies and applies a control premium. Significant estimates in the market approach include identifying similar companies with comparable business factors such as size, growth, profitability, risk and return on investment and assessing comparable revenue and operating income multiples in estimating the fair value of a reporting unit. Based on the analysis, the resultant estimated fair value of all of the reporting units exceeded their carrying value as of December 31, 2021. For additional information on goodwill impairment testing results, see Note 6 to the Consolidated Financial Statements.

#### Income Taxes

Income taxes are determined using the asset and liability method of accounting for income taxes in accordance with Financial Accounting Standards Board ("FASB"), Accounting Standards Codification ("ASC") Topic 740, "Income Taxes". Income tax expense includes federal, state and foreign income taxes.

Deferred income taxes are provided using the asset and liability method whereby deferred tax assets are recognized for deductible temporary differences and operating loss and tax credit carry-forwards and deferred tax liabilities are recognized for taxable temporary differences. Temporary differences are the differences between the reported amounts of assets and liabilities and their tax bases and are measured using enacted tax rates expected to apply to taxable income in the year in which those temporary differences are expected to be recovered or settled. Deferred tax assets and liabilities are adjusted for the effects of changes in tax laws and rates on the date of enactment. Tax credits and other incentives reduce income tax expense in the year the credits are claimed.

Management must assess the need to accrue or disclose uncertain tax positions for proposed potential adjustments from various federal, state and foreign tax authorities who regularly audit the Company in the normal course of business. In making these assessments, management must often analyze complex tax laws of multiple jurisdictions, including many foreign jurisdictions. The accounting guidance prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. The Company records the related interest expense and penalties, if any, as tax expense in the tax provision.

Management must assess the realizability of the Company's deferred tax assets. In assessing the realizability of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible. Management considers the scheduled reversal of deferred tax liabilities (including the impact of available carryback and carry forward periods), projected future taxable income, and tax-planning strategies in making this assessment. The amount of the deferred tax assets considered realizable, however, could be reduced in the near term if estimates of future taxable income during the carryforward period are reduced.

The Company has made an accounting policy election to record the U.S. income tax effect of future global intangible low-taxed income ("GILTI") inclusions in the period in which they arise, rather than establishing deferred taxes with respect to the expected future tax liabilities associated with future GILTI inclusion.

Certain of the Company's undistributed earnings of its foreign subsidiaries are not permanently reinvested. A liability has been recorded for the deferred taxes on such undistributed foreign earnings. The amount is attributable primarily to the foreign withholding taxes that would become payable should the Company repatriate cash held in its foreign operations.

# Other significant accounting policies

Other significant accounting policies, not involving the same level of uncertainties as those discussed above, are nevertheless important to an understanding of our financial statements. See Note 1 to the Consolidated Financial Statements, Summary of Significant Accounting Policies, which discusses accounting policies that must be selected by us when there are acceptable alternatives.

# **New Accounting Pronouncements**

For information regarding recent accounting pronouncements, see Note 1 to the Consolidated Financial Statements included in this annual report on Form 10-K.

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

We are exposed to certain market risks, primarily changes in interest rates. Market risk is the potential loss arising from adverse changes in market rates and prices, such as foreign currency exchange and interest rates. For the Company, these exposures are primarily related to changes in interest rates. We do not currently hold any derivatives or other financial instruments purely for trading or speculative purposes.

The carrying value of the Company's total long-term debt and current maturities of long-term debt at December 31, 2021 was \$65.5 million. Market risk was estimated as the potential decrease (increase) in future earnings and cash flows resulting from a hypothetical 10% increase (decrease) in the Company's estimated weighted average borrowing rate at December 31, 2021. Most of the interest on the Company's debt is indexed to SOFR market rates. The estimated annual impact of a hypothetical 10% change in the estimated weighted average borrowing rate at December 31, 2021 is \$0.2 million.

The Company has wholly-owned subsidiaries in several countries, including in the Netherlands, Canada, the People's Republic of China, United Kingdom, Singapore, Shanghai, Pune India, Dubai and Chile. In the past, we have not hedged our foreign currency exposure. Future changes in exchange rates may positively or negatively impact our revenues, operating expenses and earnings. Since most of our foreign sales are denominated in the local currency, we do not anticipate that exposure to foreign currency rate fluctuations will be material in 2022.

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

The Consolidated Financial Statements of CECO Environmental Corp. and subsidiaries for the years ended December 31, 2021, 2020 and 2019 and other data are included in this report following the signature page of this report and incorporated into this Item 8 by reference:

Report of Independent Registered Public Accounting Firm (BDO USA, LLP, Cincinnati, Ohio, PCAOB #243)	F-1
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Consolidated Statements of Comprehensive Income	F-5
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## Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

#### Item 9A. Controls and Procedures

#### **Disclosure Controls and Procedures**

Disclosure controls and procedures (as defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act) are controls and other procedures that are designed to provide reasonable assurance that information required to be disclosed in the reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and made known to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

In connection with the preparation of this Annual Report on Form 10-K, our management, with the participation of our Chief Executive Officer and Chief Financial Officer, carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures as of December 31, 2021. Based on that evaluation, our management, including our Chief Executive Officer and Chief Financial Officer, concluded that our disclosure controls and procedures were effective as of December 31, 2021.

The management of the Company does not expect that its disclosure controls and procedures will prevent all errors and all fraud. A control system, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that the control system's objectives will be met. Further, the design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, have been detected. These inherent limitations include the realities that judgments in decision-making can be faulty, and that breakdowns can occur due to simple errors or mistakes. The design of any system of controls is based in part upon certain assumptions regarding the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions.

# Management's Report on Internal Control over Financial Reporting

The management of the Company is responsible for the preparation and accuracy of the financial statements and other information included in this report. Under the supervision and with the participation of management, including the Company's Chief Executive Officer and Chief Financial Officer, the Company conducted an evaluation of the effectiveness of internal control over financial reporting as of December 31, 2021, based on the criteria set forth in Internal Control – Integrated Framework (2013) (the "Framework") issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). Based on this assessment, management concluded that, as of December 31, 2021, its internal control over financial reporting was effective based on the Framework.

There are inherent limitations on the effectiveness of any system of internal controls and procedures, including the possibility of human error and the circumvention or overriding of the controls and procedures. Accordingly, even effective internal controls and procedures can only provide reasonable assurance of achieving their control objectives.

Item 9A includes the audit report of BDO USA, LLP on the Company's internal control over financial reporting as of December 31, 2021.

# **Changes in Internal Control Over Financial Reporting**

There were no changes in our internal control over financial reporting (as defined in Rule 13a-15(f) of the Exchange Act) during the fiscal quarter ended December 31, 2021 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

# Report of Independent Registered Public Accounting Firm

Shareholders and Board of Directors CECO Environmental Corp. and Subsidiaries Dallas, Texas

# **Opinion on Internal Control over Financial Reporting**

We have audited CECO Environmental Corp. and Subsidiaries' (the "Company's") internal control over financial reporting as of December 31, 2021, based on criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (the "COSO criteria"). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2021, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) ("PCAOB"), the consolidated balance sheets of the Company as of December 31, 2021 and 2020, the related consolidated statements of income and comprehensive income, shareholders' equity, and cash flows for each of the three years in the period ended December 31, 2021, and the related notes and our report dated March 14, 2022, expressed an unqualified opinion thereon.

## **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 Item 9A, Management's Report on Internal Control over Financial Reporting. 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 U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit of internal control over financial reporting 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, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

## **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.

Item 91	B. Other Information
N	Jone.
Item 90	C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections
N	Tot applicable.

/s/ BDO USA, LLP

Cincinnati, Ohio

March 14, 2022

#### **PART III**

# Item 10. Directors, Executive Officers and Corporate Governance

The information called for by this Item 10 of Part III of Form 10-K is incorporated by reference to the information set forth in our definitive proxy statement relating to our 2022 Annual Meeting of Stockholders to be filed pursuant to Regulation 14A under the Exchange Act within 120 days from December 31, 2021 (the "Proxy Statement"). Reference is also made to the information appearing in Item 1 of Part I of this Annual Report on Form 10-K under the caption "Business— Executive Officers of CECO."

# **Item 11. Executive Compensation**

The information called for by this Item 11 of Part III of Form 10-K is incorporated by reference to the Proxy Statement.

# Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information called for by this Item 12 of Part III of Form 10-K will be incorporated by reference to the Proxy Statement.

# Securities Authorized for Issuance Under Equity Compensation Plans

# **EQUITY COMPENSATION PLAN INFORMATION**

December 31, 2021	(a)  Number of securities to be issued upon exercise of outstanding	out	(b) eighted-average xercise price of standing options and rights,	(c) Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in
Plan Category	options and rights	con	npensation plans	column (a))
Equity compensation plans approved by security				
holders				
2007 Equity Incentive Plan <sup>1</sup>	284,895	\$	11.88	_
2017 Equity and Incentive Plan <sup>2</sup>	788,806	\$	9.16	_
2021 Equity and Incentive Plan <sup>3</sup>	187,577	\$	_	2,529,458
2020 Employee Stock Purchase Plan <sup>4</sup>	_	\$	_	1,260,524
Equity compensation plans not approved by security holders <sup>5</sup>	1,285,861	\$	11.06	_
TOTAL	2,547,139			3,789,982

<sup>1</sup> The 2007 Plan was replaced with the 2017 Equity and Incentive Plan and no further grants will be made under the 2007 Plan. The 2007 Plan remains in effect solely for the continued administration of the awards currently outstanding under the 2007 Plan.

<sup>2</sup> The 2017 Equity and Incentive Plan was approved by our stockholders on May 16, 2017. The 2017 Plan remains in effect solely for the continued administration of the awards currently outstanding under the 2017 Plan. In 2021, prior to the approval of the 2021 Equity and Incentive Plan, 386,000 restricted stock units were awarded to plan participants under the 2017 Equity and Incentive Plan.

<sup>3</sup> The 2021 Equity and Incentive Plan was approved by our stockholders on May 25, 2021. We have reserved 2.6 million shares of our common stock for issuance under our 2021 Equity Incentive Plan. In 2021, 188,000 restricted stock units were awarded to plan participants under the 2021 Equity and Incentive Plan.

<sup>4</sup> The Employee Stock Purchase Plan was approved by our stockholders on June 11, 2020.

<sup>5</sup> On July 6, 2020, in connection with Mr. Gleason's appointment as the Company's Chief Executive Officer, the Company granted Mr. Gleason 0.1 million restricted stock units (the "RSU Inducement Agreement"), 0.3 million in nonqualified stock options, (the "Standard Option Inducement Agreement") granted at market value, and approximately 0.9 million in premium-priced nonqualified stock options, (the "Premium Option Inducement Agreement") exercise price equal to two times market value. Mr. Gleason's restricted stock units and option grants were approved by the Board of Directors of the Company. See Note 9 to the Consolidated Financial Statements for additional information on Mr. Gleason's inducement grants.

# Item 13. Certain Relationships and Related Transactions, and Director Independence

The information called for by this Item 13 of Part III of Form 10-K is incorporated by reference to the Proxy Statement.

# **Item 14. Principal Accounting Fees and Services**

The information called for by this Item 14 of Part III of Form 10-K is incorporated by reference to the Proxy Statement.

## **PART IV**

# Item 15. Exhibits and Financial Statement Schedules

Exhibit

- 1. Financial statements are set forth in this report following the signature page of this report.
- 2. Financial statement schedules are omitted because they are not applicable or because the required information is shown in the financial statements or in the notes thereto.
- 3. Exhibit Index. The exhibits listed below, as part of Form 10-K, are numbered in conformity with the numbering used in Item 601 of Regulation S-K and relate to SEC File No. 0-07099, unless otherwise indicated.

Number	<u> </u>
3.1	Certificate of Incorporation (incorporated by reference to Exhibit 3(i) to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2001)
3.2	Amended and Restated By-laws (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the SEC on December 13, 2017)
4.1	Description of Securities (incorporated by reference to Exhibit 4.1 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2019)
^10.1	Summary term sheet governing arrangement of consulting services provided by Icarus Investment Corp. (incorporated by reference to Exhibit 10.1 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2018)
^10.2	Summary term sheet governing arrangement of consulting services provided by JMP Fam Holdings Inc. to the Company (incorporated by reference to Exhibit 10.7 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2018)
^10.3	Form of Director and Officer Indemnification Agreement (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on May 16, 2016)
^10.4	Executive Employment Agreement, effective as of January 9, 2017, by and between the Company and Matthew Eckl (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q filed with the SEC on May 10, 2017)
^10.5	Executive Employment Agreement, effective as of July 6, 2020, by and between CECO Environmental Corp. and Todd Gleason (Incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q files with the SEC on November 11, 2020)
^10.6	Nonqualified Stock Option Inducement Award Agreement, by and between CECO Environmental Corp. and Todd Gleason, dated as of July 6, 2020 (incorporated by reference to Exhibit 4.3 to the Registrant's Registration Statement on Form S-8 (Commission File No. 333-239707) filed on July 6, 2020)
^10.7	Nonqualified Premium Stock Option Inducement Award Agreement, by and between CECO Environmental Corp. and Todd Gleason, dated as of July 6, 2020 (incorporated by reference to Exhibit 4.4 to the Registrant's Registration Statement on Form S-8 (Commission File No. 333-239707) filed on July 6, 2020)
^10.8	Restricted Stock Units Inducement Award Agreement, by and between CECO Environmental Corp. and Todd Gleason, dated as of July 6, 2020 (incorporated by reference to Exhibit 4.5 to the Registrant's Registration Statement on Form S-8 (Commission File No. 333-239707) filed on July 6, 2020)
^10.9	Second Amended and Restated CECO Environmental Corp. 2007 Equity Incentive Plan (incorporated by reference to Exhibit 10.6 to the Company's Current Report on Form 8-K filed with the SEC on September 3, 2015)

^10.10 Form of Incentive Stock Option Agreement under the Second Amended and Restated CECO Environmental Corp. 2007 Equity Incentive Plan (incorporated by reference to Exhibit 10.12 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2010) ^10.11 Form of Non-Statutory Stock Option Agreement under the Second Amended and Restated CECO Environmental Corp. 2007 Equity Incentive Plan (incorporated by reference to Exhibit 10.13 to the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2010) ^10.12 CECO Environmental Corp. 2017 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 4.3 to the Company's Registration Statement on Form S-8 (Registration No. 333-218030) filed on May 16, 2017) ^10.13 Form of Incentive Stock Option Agreement under the CECO Environmental Corp. 2017 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q filed with the SEC on August 9, 2017) ^10.14 Form of Nonqualified Stock Option Agreement under the CECO Environmental Corp. 2017 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q filed with the SEC on August 9, 2017) ^10.15 Form of Restricted Stock Units Agreement for Directors under the CECO Environmental Corp. 2017 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q filed with the SEC on August 9, 2017) ^10.16 Form of Restricted Stock Units Agreement for Employees under the CECO Environmental Corp. 2017 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q filed with the SEC on August 9, 2017) ^10.17 CECO Environmental Corp. 2020 Employee Stock Purchase Plan (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on June 16, 2020) ^10.18 CECO Environmental Corp. 2021 Equity and Incentive Compensation Plan (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on May 27, 2021) ^\*10.19 Form of Restricted Stock Units Agreement for Directors under the CECO Environmental Corp. 2021 Equity and Incentive Compensation Plan ^\*10.20 Form of Restricted Stock Units Agreement for Employees under the CECO Environmental Corp. 2021 Equity and Incentive Compensation Plan ^10.21 CECO Environmental Corp. Executive Change in Control Severance Plan (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q filed with the SEC on November 8, 2021) †10.22 Second Amended and Restated Credit Agreement, dated as of June 11, 2019, among the Company and certain of its subsidiaries, the lenders party thereto, and Bank of America, N.A. (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on June 12, 2019) \*[†]10.23 Amendment No. 1 to Second Amended and Restated Credit Agreement, dated as of June 11, 2019, among the Company and certain of its subsidiaries, the lenders party thereto and Bank of America, N.A. Amendment No. 2 to Second Amended and Restated Credit Agreement, dated as of December 17, 2021, among the \*[†]10.24 Company and certain of its subsidiaries, the lenders party thereto and Bank of America, N.A. \*21 Subsidiaries of the Company \*23.1 Consent of BDO USA, LLP \*31.1 Rule 13(a)/15d-14(a) Certification by Chief Executive Officer

*31.2	Rule 13(a)/15d-14(a) Certification by Chief Financial Officer
*32.1	Certification of Chief Executive Officer (18 U.S. Section 1350)
*32.2	Certification of Chief Financial Officer (18 U.S. Section 1350)
*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).

<sup>\*</sup> Filed or furnished herewith

# Item 16. Form 10-K Summary

Not applicable.

<sup>^</sup> Management contracts or compensation plans or arrangement † Schedules and exhibits have been omitted pursuant to Item 601(a)(5) of Regulation S-K. The Company hereby undertakes to furnish on a supplemental basis a copy of any omitted schedule or exhibit upon request by the Securities and Exchange Commission.

# **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.

/S/ MATTHEW ECKL

	Matthew Eckl Chief Financial Officer March 14, 2022
Pursuant to the requirements of the Securities Expersons on behalf of the registrant and in the capacities	change Act of 1934, this report has been signed below by the following and on the dates indicated:
Principal Executive Officer:	
/S/ TODD GLEASON  Todd Gleason	March 14, 2022
Chief Executive Officer and Director	
Principal Financial Officer:	
/S/ MATTHEW ECKL	March 14, 2022
Matthew Eckl Chief Financial Officer	
Principal Accounting Officer:	
/S/ PAUL GOHR	March 14, 2022
Paul Gohr Chief Accounting Officer	
Directors:	
/S/ JASON DEZWIREK	March 14, 2022
Jason DeZwirek Chairman of the Board and Director	
/S/ Eric M. Goldberg	March 14, 2022
Eric M. Goldberg Director	
/S/ DAVID B. LINER	March 14, 2022
David B. Liner Director	
	Nr. 1.14.2022
/S/ CLAUDIO A. MANNARINO Claudio A. Mannarino	March 14, 2022
Director	
/S/ Munish Nanda	March 14, 2022
Munish Nanda Director	
/S/ JONATHAN POLLACK	March 14, 2022
Jonathan Pollack Director	
/S/ Valerie Gentile Sachs	March 14, 2022
Valerie Gentile Sachs Director	
/S/ RICHARD F. WALLMAN	March 14, 2022
Richard F. Wallman Director	

## Report of Independent Registered Public Accounting Firm

Shareholders and Board of Directors CECO Environmental Corp. and Subsidiaries Dallas, Texas

# **Opinion on the Consolidated Financial Statements**

We have audited the accompanying consolidated balance sheets of CECO Environmental Corp. and Subsidiaries (the "Company") as of December 31, 2021 and 2020, the related consolidated statements of income and comprehensive income, shareholders' equity, and cash flows for each of the three years in the period ended December 31, 2021, and the related notes (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 at December 31, 2021 and 2020, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2021, 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, 2021, based on criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO") and our report dated March 14, 2022 expressed an unqualified opinion thereon.

# **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 consolidated 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 consolidated 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 consolidated 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 consolidated 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 consolidated 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 consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of a critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing separate opinions on the critical audit matter or on the accounts or disclosures to which it relates.

Over Time Revenue Recognition Using the Cost-to-Cost Input Approach

As described in Note 1 to the Company's consolidated financial statements, the Company derives a significant portion of its revenues from fixed-price contracts within the Engineered Systems and Industrial Process Solutions segments. The revenue for such contracts is recognized over a period of time based on the ratio of contract costs incurred to date compared to total estimated costs. Under this method, the Company must continually assess the total estimated costs and progress toward completion for each contract. Changes in these estimates can have a material impact on the amount of revenue and gross profit recognized each period.

We identified the accuracy of revenue recognized over time as a critical audit matter. The determination of estimated cost and progress to completion requires management to make significant estimates and assumptions, which includes an analysis of total estimated labor, material and subcontract costs, historical experience, current performance to date and the conditions to complete each contract. This analysis requires significant management judgment, which affects the amount of revenue recognized by the Company. Auditing these complex judgments and assumptions involves especially challenging auditor judgment due to the nature and extent of audit evidence available and effort required to address these matters.

The primary procedures we performed to address this critical audit matter included:

- Testing the design and operating effectiveness of internal controls relating to the determination of estimated costs to complete
  a project including the monthly review of open over time projects and review of estimated cost calculations to complete open
  projects. These controls include the review of the reasonableness of the assumptions used and the appropriateness of
  methodologies used to determine costs to complete.
- Testing the completeness, existence, and accuracy of estimated project cost calculations for a sample of contracts by validating
  the underlying project data and assumptions used as inputs through the inspection of relevant source documents including
  project plans or budgets and activity reports, invoices of costs incurred to date, results of recent similar historical projects, other
  third-party subcontractor support, inquiry of project managers, and confirmations of estimates to complete with customers.
- Performing a retrospective review on a sample basis of estimated project costs to actual project costs for completed contracts and investigating variances outside of predetermined thresholds through the inspection of relevant source documents.

/s/ BDO USA, LLP

We have served as the Company's auditor since 2008.

Cincinnati, Ohio

March 14, 2022

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS

	December 31,							
(dollars in thousands, except share data)		2021		2020				
ASSETS								
Current assets:								
Cash and cash equivalents	\$	29,902	\$	35,992				
Restricted cash		2,093		1,819				
Accounts receivable, net		74,991		63,046				
Costs and estimated earnings in excess of billings on uncompleted contracts		51,429		45,498				
Inventories, net		17,052		17,343				
Prepaid expenses and other current assets		10,760		11,530				
Prepaid income taxes		2,784		7,790				
Assets held for sale				467				
Total current assets		189,011		183,485				
Property, plant and equipment, net		15,948		16,228				
Right-of-use assets from operating leases		10,893		11,376				
Goodwill		161,183		161,820				
Intangible assets – finite life, net		25,841		29,637				
Intangible assets – indefinite life		9,629		12,937				
Deferred income taxes		505		_				
Deferred charges and other assets		3,187		3,831				
Total assets	\$	416,197	\$	419,314				
LIABILITIES AND SHAREHOLDERS' EQUITY								
Current liabilities:								
Current portion of debt	\$	2,203	\$	3,125				
Accounts payable and accrued expenses		84,081		84,997				
Billings in excess of costs and estimated earnings on uncompleted contracts		28,908		20,691				
Income taxes payable		1,493		543				
Total current liabilities	-	116,685		109,356				
Other liabilities		14,826		20,576				
Debt, less current portion		61,577		69,491				
Deferred income tax liability, net		8,390		6,970				
Operating lease liabilities		8,762		9,310				
Total liabilities		210,240		215,703				
Commitments and contingencies		210,210		210,700				
Shareholders' equity:								
Preferred stock, \$.01 par value; 10,000 shares authorized, none issued		_		_				
Common stock, \$.01 par value; 100,000,000 shares authorized, 35,028,197 and								
35,504,757 shares issued and outstanding at December 31, 2021								
and 2020, respectively		350		355				
Capital in excess of par value		252,989		255,296				
Accumulated loss		(36,715)		(38,141)				
Accumulated other comprehensive loss		(12,070)		(14,496)				
recumulated other comprehensive 1033		204,554		203,014				
Less treasury stock, at cost, zero and 137,920 shares at December 31, 2021 and		204,334		203,014				
2020				(356)				
		204 554						
Total CECO shareholders' equity		204,554		202,658				
Noncontrolling interest		1,403		953				
Total shareholders' equity	Φ.	205,957	Φ.	203,611				
Total liabilities and shareholders' equity	\$	416,197	\$	419,314				

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF INCOME

	Year Ended December 31,						
(dollars in thousands, except share and per share data)	2021			2020	2019		
Net sales	\$	324,140	\$	316,011	\$	341,869	
Cost of sales		223,218		210,883		227,770	
Gross profit		100,922		105,128		114,099	
Selling and administrative expenses		81,797		76,926		85,978	
Amortization and earnout expenses		7,789		8,799		8,499	
Restructuring expenses		632		2,331		1,097	
Acquisition and integration expenses		818		1,354		465	
Executive transition expenses		29		1,522			
Loss on divestitures, net of selling costs		_		_		70	
Intangible asset impairment		<u> </u>		850			
Income from operations		9,857		13,346		17,990	
Other income (expense), net		(2,231)		2,033		751	
Interest expense		(2,952)		(3,535)		(5,397)	
Income before income taxes		4,674		11,844		13,344	
Income tax expense (benefit)		2,691		3,672		(4,363)	
Net income		1,983		8,172		17,707	
Noncontrolling interest		(557)		39		_	
Net income attributable to CECO Environmental Corp.	\$	1,426	\$	8,211	\$	17,707	
Income per share:	<del></del>						
Basic	\$	0.04	\$	0.23	\$	0.51	
Diluted	\$	0.04	\$	0.23	\$	0.50	
Weighted average number of common shares outstanding:							
Basic		35,345,785		35,289,616		34,987,878	
Diluted		35,594,779		35,520,670		35,484,273	

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

	Year Ended December 31,						
(dollars in thousands)		2021			2019		
Net income	\$	1,983	\$	8,172	\$	17,707	
Other comprehensive income (loss), net of tax:							
Translation (loss) income		(538)		2,256		(343)	
Interest rate swap				_		(574)	
Minimum pension liability adjustment		2,964		(2,247)		(184)	
Comprehensive income	\$	4,409	\$	8,181	\$	16,606	

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY

	Comm	on Sto	alr	Capital in excess of	<b>A</b> .	ccumulated		Other Omprehensive	Тиол	C 11 10 10 1	Stock	N	oncontrolling	S.h.	Total areholders'
(in thousands)	Shares		nount	par value	А	Loss	C	Loss	Shares		Amount	14	Interest	SII	Equity
Balance January 1, 2019	34,954	\$	349	\$ 251,409	\$	(59,427)	\$	(13,415)		\$	(356)	\$		\$	178,560
Net income for the year ended	- 1,7 - 1	*		4 200,000	4	(0), (-)	4	(10,110)	(100)	*	(000)	*		*	270,200
December 31, 2019						17.707									17,707
Cumulative effect adjustment of						.,									.,
adopting ASU 2017-12						(11)		11							_
Cumulative effect adjustment of						` ´									
adopting ASU 2016-02						(4,590)									(4,590)
Exercise of stock options and															
dividend reinvestment issuances	31		_	_											_
Restricted stock units issued	255		3	(427)		(23)									(447)
Share based compensation earned	35		1	2,887											2,888
Adjustment for minimum pension															
liability, net of tax of \$66								(184)							(184)
Adjustment for interest rate swap,															
net of tax of \$236								(574)							(574)
Translation loss								(343)							(343)
Balance December 31, 2019	35,275	\$	353	\$ 253,869	\$	(46,344)	\$	(14,505)	(138)	\$	(356)	\$	_	\$	193,017
Net income for the year ended															
December 31, 2020						8,211							(39)		8,172
Restricted stock units issued	230		2	(331)		(8)									(337)
Share based compensation earned				1,758											1,758
Adjustment for minimum pension								(2.2.15)							(0.0.45)
liability, net of tax of \$802								(2,247)							(2,247)
Translation gain								2,256							2,256
Noncontrolling interest acquired													000		002
(see Note 15)	25.505	0	255	0.055.006	0	(20.141)	Φ.	(14.406)	(120)	Φ.	(250)	Φ.	992 953	_	992
Balance December 31, 2020	35,505	\$	355	\$ 255,296	\$	(38,141)	\$	(14,496)	(138)	\$	(356)	\$	953	\$	203,611
Net income for the year ended						1.406							557		1.002
December 31, 2021	2			13		1,426							55/		1,983
Exercise of stock options Restricted stock units issued	263		3	(517)											(514)
Share based compensation earned	39		3	3,558											3,558
Common stock repurchase and	39			3,336											3,336
retirement (See Note 9)	(781)		(8)	(5,361)					138		356				(5,013)
Adjustment for minimum pension	(701)		(0)	(3,301)					136		330				(3,013)
liability, net of tax of \$866								2,964							2,964
Translation loss								(538)							(538)
Noncontrolling interest								(338)							(338)
distribution													(107)		(107)
Balance December 31, 2021	35,028	S	350	\$ 252,989	\$	(36,715)	\$	(12,070)		\$		\$	1,403	S	205,957
2010110 December 31, 2021	55,020	Ψ	550	Q 202,707	Ψ	(50,715)	Ψ	(12,070)		Ψ		Ψ	1,103	Ψ	200,701

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES ACCUMULATED OTHER COMPREHENSIVE LOSS

(dollars in thousands)		Translation loss	Interest rate swap adjustment	Minimum pensi liability adjustm		Accumulated other comprehensive loss		
January 1, 2019	\$	(7,733)	\$ 563	\$ (6,	,245)	\$	(13,415)	
Cumulative effect adjustment adopting ASU 2017-								
12			11		_		11	
2019 activity		(343)	(574)	(	(184)		(1,101)	
Balance December 31, 2019		(8,076)	_	(6,	,429)		(14,505)	
2020 activity		2,256		(2,	,247)		9	
Balance December 31, 2020		(5,820)	_	(8,	,676)		(14,496)	
2021 activity		(538)		2,	,964		2,426	
Balance December 31, 2021	\$	(6,358)	<u> </u>	\$ (5,	,712)	\$	(12,070)	

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS

(dollars in thousands)		2021		2020		2019
Cash flows from operating activities:						
Net income	\$	1,983	\$	8,172	\$	17,707
Adjustments to reconcile net income to net cash provided by operating activities:						
Depreciation and amortization		9,853		9,921		10,609
Unrealized foreign currency loss (gain)		2,047		346		(526)
Net gain on interest rate swaps		_		_		(248)
Impairment of intangible assets		_		850		_
Fair value adjustments to earnout liabilities		704		1,193		_
Earnout payments		(587)		_		_
(Gain) loss on sale of property and equipment		(83)		63		78
Loss on divestitures		_		_		70
Amortization of debt discount		404		415		1,060
Share based compensation expense		3,335		1,758		2,668
Bad debt expense		688		928		295
Inventory reserve expense		82		494		316
Deferred income tax expense (benefit)				1,038		(940)
Changes in operating assets and liabilities, net of acquisitions and divestitures:				, i		` ′
Accounts receivable		(13,165)		8,367		(15,616)
Cost and estimated earnings of billings on uncompleted contracts		(7,007)		(9,561)		(5,029)
Inventories		(203)		4,366		(207)
Prepaid expenses and other current assets		5,911		(962)		(7,097)
Deferred charges and other assets		300		(4,095)		758
Accounts payable and accrued expenses		440		336		(4,028)
Billings in excess of costs and estimated earnings on uncompleted contracts		8,431		(17,635)		14,274
Income taxes payable		1,047		460		(1,671)
Other liabilities		(882)		(2,033)		(2,246)
Net cash provided by operating activities		13,298		4,421		10,227
Cash flows from investing activities:		13,270		7,721	_	10,227
Acquisitions of property and equipment		(2,616)		(3,945)		(5,655)
Net proceeds from sale of assets		533		605		509
Cash paid for acquisitions		223		(5,895)		309
Net cash used in investing activities		(2,083)		(9,235)	_	(5,146)
		(2,083)		(9,233)		(3,140)
Cash flows from financing activities:		51 400		06.000		45 200
Borrowings on revolving credit lines		51,400		96,000		45,300
Repayments on revolving credit lines.		(57,100)		(86,800)		(52,947)
Repayments of long-term debt		(2,738)		(5,009)		(2,950)
Deferred financing fees paid		(801)		(467)		(1,117)
Payments on capital leases and sale-leaseback financing liability		(603)		(467)		(478)
Earnout payments		(823)		_		_
Proceeds from employee stock purchase plan, exercise of stock options,		•••				
and dividend reinvestment plan		230				76
Distributions to non-controlling interest		(107)		_		_
Common stock repurchases		(5,014)				
Net cash (used in) provided by financing activities		(15,556)		3,724		(12,116)
Effect of exchange rate changes on cash and cash equivalents		(1,475)		1,943		(445)
Net (decrease) increase in cash, cash equivalents and restricted cash		(5,816)		853		(7,480)
Cash, cash equivalents and restricted cash at beginning of year		37,811		36,958		44,438
Cash, cash equivalents and restricted cash at end of year	\$	31,995	\$	37,811	\$	36,958
Cash paid (received) during the period for:						
Interest	\$	2,146	\$	3,172	\$	3,549
			_		\$	
Income taxes	\$	(2,570)	\$	2,156	\$	5,908

# CECO ENVIRONMENTAL CORP. AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS For the Years Ended December 31, 2021, 2020 and 2019

# 1. Nature of Business and Summary of Significant Accounting Policies

Nature of business— CECO Environmental Corp. and its consolidated subsidiaries ("CECO," the "Company," "we," "us," or "our") is a leading environmentally focused, diversified industrial company whose solutions protect people, the environment, and industrial equipment. CECO provides innovative technology and application expertise that helps companies grow their businesses with safe, clean, and more efficient solutions to help protect our shared environment. CECO serves both established and emerging industries in regions around the world working to improve air quality, optimize the energy value chain, and provide customized engineered solutions in multiple applications that include power generation, petrochemical processing, general industrial, midstream, refining, oil & gas, electric vehicle production, poly silicon fabrication, battery recycling, and wastewater treatment, along with a wide range of other industries.

#### COVID-19

A novel strain of coronavirus ("COVID-19") surfaced in late 2019 and has spread around the world, including to the United States. In March 2020, the World Health Organization characterized COVID-19 as a pandemic. As of December 31, 2021, the virus, including new emerging variants, continues to spread and has had a significant impact on worldwide economic activity, on macroeconomic conditions and the end markets of our business.

The outbreak and a continued spread of COVID-19 has resulted in a substantial curtailment of business activities worldwide and has caused weakened economic conditions, both in the United States and abroad. Although vaccines are available in various countries where we operate, it is possible the COVID-19 pandemic may continue to have a negative impact on the Company's ongoing operations and the end markets in which it serves. However, the full impact of the COVID-19 pandemic continues to evolve as of the date of this filing, and as such, it is uncertain as to the full magnitude or lasting impact that the pandemic will have on the Company's financial condition, liquidity, and future results of operations. Management is actively monitoring the impact of the pandemic on its financial condition, liquidity, operations, suppliers, industry, and workforce.

*Principles of consolidation*—Our consolidated financial statements include the Company and its controlled subsidiaries. All intercompany balances and transactions have been eliminated.

Unless indicated, all balances within tables are in thousands except per share amounts.

*Use of estimates*—The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America ("GAAP") requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

*Cash equivalents*—We consider all highly liquid investments with original maturities of three months or less to be cash equivalents. At December 31, 2021 and 2020, Restricted Cash is cash in support of letters of credit issued by various foreign subsidiaries of the Company. The Company occasionally enters into letters of credit with durations in excess of one year.

The following table provides a reconciliation of cash, cash equivalents and restricted cash reported within the Consolidated Statements of Cash Flows.

		December 31,			
	2021			2020	
Cash and cash equivalents	\$	29,902	\$	35,992	
Restricted cash		2,093	\$	1,819	
Total cash, cash equivalents and restricted cash	\$	31,995	\$	37,811	

Accounts Receivable—Receivables are generally uncollateralized customer obligations due under normal terms requiring payment generally within 30 days from the invoice date unless otherwise determined by specific contract terms, generally due to retainage provisions. The Company's estimate of the allowance for doubtful accounts for trade receivables is primarily determined based upon the length of time that the receivables are past due. In addition, management estimates are used to determine probable losses based

upon an analysis of prior collection experience, specific account risks and economic conditions. Accounts are deemed uncollectible based on past account experience and the current financial condition of the account.

Inventories—The Company's inventory is valued at the lower of cost or net realizable value, using the first-in, first-out inventory costing method. Inventory quantities are regularly reviewed and provisions for excess or obsolete inventory are recorded based on the Company's forecast of future demand and market conditions. Significant unanticipated changes to the Company's forecasts could require a change in the provision for excess or obsolete inventory.

Assets Held for Sale—The Company classifies properties as held for sale when certain criteria are met. At such time, the properties, including significant assets that are expected to be transferred as part of a sale transaction, are presented separately on the Consolidated Balance Sheets at the lower of carrying value or estimated fair value less costs to sell and depreciation is no longer recognized.

Property, plant and equipment—Property, plant and equipment are carried at the cost of acquisition or construction and depreciated over the estimated useful lives of the assets. Depreciation and amortization are provided using the straight-line method in amounts sufficient to amortize the cost of the assets over their estimated useful lives (buildings and improvements—generally five to 40 years; machinery and equipment—generally two to 15 years). Upon sale or disposal of property, plant and equipment, the applicable amounts of asset cost and accumulated depreciation are removed from the accounts, and the net amount, less any proceeds from sale, is recorded in income.

*Intangible assets*— Indefinite life intangible assets are comprised of tradenames, while finite life intangible assets are comprised of technology, customer lists, and tradenames. Finite life intangible assets are amortized on a straight line or accelerated basis over their estimated useful lives of seven to 10 years for technology, five to 20 years for customer lists, and 10 years for tradenames.

Long-lived assets—Property, plant and equipment and finite life intangible assets are reviewed whenever events or changes in circumstances occur that indicate possible impairment. If events or changes in circumstances occur that indicate possible impairment, our impairment review is based on an undiscounted cash flow analysis at the lowest level at which cash flows of the long-lived assets are largely independent of other groups of our assets and liabilities. This analysis requires management judgment with respect to changes in technology, the continued success of product lines, and future volume, revenue and expense growth rates. We conduct annual reviews for idle and underutilized equipment, and review business plans for possible impairment. Impairment occurs when the carrying value of the assets exceeds the future undiscounted cash flows expected to be earned by the use of the asset or asset group. When impairment is indicated, the estimated future cash flows are then discounted to determine the estimated fair value of the asset or asset group and an impairment charge is recorded for the difference between the carrying value and the estimated fair value.

Additionally, the Company evaluates the remaining useful life each reporting period to determine whether events and circumstances warrant a revision to the remaining period of depreciation or amortization. If the estimate of a long-lived asset's remaining useful life is changed, the remaining carrying amount of the asset is amortized prospectively over that revised remaining useful life.

The Company completes an annual (or more often if circumstances require) impairment assessment on October 1 of its indefinite life intangible assets. As a part of its annual assessment, typically, the Company first qualitatively assesses whether current events or changes in circumstances lead to a determination that it is more likely than not (defined as a likelihood of more than 50 percent) that the fair value of an asset is less than its carrying amount. If there is a qualitative determination that the fair value of a particular asset is more likely than not greater than its carrying value, we do not need to proceed to the quantitative estimated fair value test for that asset. If this qualitative assessment indicates a more likely than not potential that the asset may be impaired, the estimated fair value is determined by the relief from royalty method. If the estimated fair value of an asset is less than its carrying value, an impairment charge is recorded for the amount by which the carrying value of the asset exceeds its estimated fair value.

During 2021, our annual impairment test indicated no impairment. In 2020, we recorded an impairment charge of \$0.9 million related to one of our indefinite-lived tradenames for the year ended December 31, 2020. There was no impairment recorded during the years ended December 31, 2019. For additional information on impairment testing results, see Note 6 to the Consolidated Financial Statements.

Goodwill—The Company completes an annual (or more often if circumstances require) impairment assessment on October 1 of its goodwill on a reporting unit level, at or below the operating segment level. As a part of its annual assessment, the Company first qualitatively assesses whether current events or changes in circumstances lead to a determination that it is more likely than not (defined as a likelihood of more than 50 percent) that the fair value of a reporting unit is less than its carrying amount. If there is a qualitative determination that the fair value of a particular reporting unit is more likely than not greater than its carrying value, the Company does not need to quantitatively test for goodwill impairment for that reporting unit. If this qualitative assessment indicates a more likely than not potential that the asset may be impaired, the estimated fair value is determined using a weighting of the income

method and the market method. If the estimated fair value of a reporting unit is less than its carrying value, an impairment charge is recorded.

Deferred financing costs—Deferred financing costs are amortized to interest expense over the life of the related loan. In fiscal 2021, the Company entered into Amendment No.2 to the Second Amended and Restated Credit Agreement (the "Credit Facility"). The Credit Facility amended the Company's existing Amendment No. 1 to Second Amended and Restated Agreement. In connection with the Credit Facility, the Company incurred \$0.8 million in customary closing fees in 2021 that were capitalized and classified as a debt discount (see Note 8 for further details on the Credit Facility). Amortization expense was \$0.4 million, \$0.4 million and \$1.1 million for 2021, 2020 and 2019, respectively. As of December 31, 2021, and 2020, remaining capitalized deferred financing costs of \$1.7 million and \$1.3 million, respectively, are included as a discount to debt in the accompanying Consolidated Balance Sheets.

### Revenue recognition

A significant portion of our revenue is derived from fixed-price contracts. We account for a contract after it has been approved by all parties to the arrangement, the rights of the parties are identified, payment terms are identified, the contract has commercial substance and collectability of consideration is probable.

For each contract, we assess the goods and services promised to a customer and identify a performance obligation for each distinct promised good or service. The typical life of our contracts is generally less than 12 months and each contract generally contains only one performance obligation, to provide goods or services to the customer. We determine the transaction price for each contract based on the consideration we expect to receive for the products or services being provided under the contract.

We recognize revenue as performance obligations are satisfied and the customer obtains control of the products and services. A significant amount of our revenue is recognized over a period of time as we perform under the contract because control of the work in process transfers continuously to the customer. For performance obligations to deliver products with continuous transfer of control to the customer, revenue is recognized based on the extent of progress towards completion of the performance obligation. Progress is measured based on the ratio of costs incurred to date to the total estimated costs to complete the performance obligation. For these contracts, the cost-to-cost measure best depicts the continuous transfer of goods or services to the customer. Annual revenue recognized over a period of time is approximately 70%.

For contracts where the duration is short, total contract revenue is insignificant, or control does not continuously transfer to the customer, revenues are recognized at the point in time control passes to the customer, which occurs generally upon shipment of product. Annual revenue recognized at a point in time is approximately 30%.

Progress payments are generally made over the duration of the contract. Shipping and handling activities after control of the products has transferred to the customer are considered fulfillment activities. Sales taxes are recorded on a net basis.

Contract Assets and Contract Liabilities — Contract assets consist of costs and earnings in excess of billings, costs incurred for contracts recognized at a point in time, and retainage. Costs and earnings in excess of billings represent the estimated value of unbilled work for contracts with performance obligations recognized over time and are separately classified as current assets in the Consolidated Balance Sheets. Costs incurred for contracts recognized at a point in time are classified within inventories as work-in-process. Retainage represents a portion of the contract billings that have been billed, but for which the contract allows the customer to retain a portion of the billed amount until final settlement. Retainage is not considered to be a significant financing component because the intent is to protect the customer. Retainage is classified within accounts receivable and deferred charges and other assets depending on when it is due. Almost all of the Company's contract assets are classified as current assets in the Consolidated Balance Sheets.

Billings in excess of costs and estimated earnings on uncompleted contracts are current liabilities, which relate to fixed-price contracts recognized over time, and represents payments in advance of performing the related contract work. Billings in excess of costs and estimated earnings on uncompleted contracts is not considered to be a significant financing component because it is generally used to meet working capital demands that can be higher in the early stages of a contract. Contract liabilities, classified in accounts payable and accrued expenses in the Consolidated Balance Sheets, include advance payments received from customers for which revenue has not been recognized for contracts where revenue is recognized at a point in time. Contract liabilities are reduced when the associated revenue from the contract is recognized, which is generally within one year.

The revenue streams within the Company are consistent with those disclosed for our reportable segments. See Note 16 to the Consolidated Financial Statements for additional information on product offerings and segments.

Provisions for estimated losses on uncompleted contracts are made in the period in which such losses are determined. Changes to job performance, job conditions, and estimated profitability may result in revisions to contract revenue and costs and are recognized in the period in which the revisions are made. There was no provision for estimated losses on uncompleted contracts at December 31, 2021 and 2020.

Cost of sales—Cost of sales amounts include materials, subcontract costs, direct labor and associated benefits, inbound freight charges, purchasing and receiving, inspection, warehousing, and depreciation.

Claims—Change orders arise when the scope of the original project is modified for any of a variety of reasons. The Company will negotiate the extent of the modifications, its expected costs and recovery with the customer. Costs related to change orders are added to the expected total cost of the project. In cases where contract revenues are assured beyond a reasonable doubt to be increased in excess of the expected costs of the change order, incremental profit also is recognized on the contract. Such assurance is generally only achieved when the customer approves in writing the scope and pricing of the change order. Change orders that are in dispute are effectively handled as claims.

Claims are amounts in excess of the agreed contract price that the Company seeks to collect from customers or others for customercaused delays, errors in specifications and designs, contract terminations, change orders in dispute or unapproved as to both scope and price. Costs attributable to claims are treated as contract costs as incurred.

The Company recognizes certain significant claims for recovery of incurred costs when it is probable that the claim will result in additional contract revenue and when the amount of the claim can be reliably estimated. When the customer or other parties agree in writing to the amount of the claim to be recovered by the Company, the amount of the claim becomes contractual and is accounted for as an increase in the contract's total estimated revenue and estimated cost. As actual costs are incurred and revenues are recognized over time, a corresponding percentage of the revised total estimated profit will therefore be recognized.

Should it become probable that the claim will not result in additional contract revenue, the Company removes the related contract revenues from its previous estimate of total revenues, which effectively reduces the estimated profit margin on the job and negatively impacts profit for the period.

*Pre-contract costs*—Pre-contract costs are not significant and are primarily internal costs. As most of the Company's contracts are one year or less, the Company expenses all pre-contract costs as incurred regardless of whether or not the bids are successful. A majority of our business is obtained through a bidding process and this activity is on-going with multiple bids in process at any one time. These costs consist primarily of engineering, sales and project manager wages, fringes and general corporate overhead and it is deemed impractical to track activities related to any one specific contract.

Selling and administrative expenses—Selling and administrative expenses on the Consolidated Statements of Income include sales and administrative wages and associated benefits, selling and office expenses, professional fees, bad debt expense and depreciation. Selling and administrative expenses are charged to expense as incurred.

Acquisition and integration expenses—Acquisition and integration expenses on the Consolidated Statements of Income are related to acquisition activities, which include, legal, accounting, and other expenses.

Amortization and earnout expenses—Amortization and earnout expenses on the Consolidated Statements of Income include amortization of intangible assets, and changes to earnout and contingent compensation amounts related to acquisitions.

Restructuring expenses—Restructuring expenses on the Consolidated Statements of Income include expenses related to an ongoing restructuring program to reduce operating costs in the future. Within restructuring expenses are charges related to severance, facility exit, legal and property, plant and equipment impairment. The Company's policy is to recognize restructuring expenses in accordance with the accounting rules related to exit or disposal activities.

*Executive transition expenses*—Executive transition expenses on the Consolidated Statements of Income include expenses related to the severance for the Company's former Chief Executive Officer, as well as fees and expenses incurred in the search for, and hiring of, a new Chief Executive Officer.

*Product Warranties*—The Company's warranty reserve is to cover the products sold. The warranty accrual is based on historical claims information. The warranty reserve is reviewed and adjusted as necessary on a quarterly basis and is presented within Note 7.

Research and Development—Although not technically defined as research and development, a significant amount of time, effort and expense is devoted to (a) custom engineering which qualifies products for specific customer applications, (b) developing proprietary process technology and (c) partnering with customers to develop new products.

*Income taxes* - Income taxes are determined using the asset and liability method of accounting for income taxes in accordance with Financial Accounting Standards Board ("FASB"), Accounting Standards Codification ("ASC") Topic 740, "Income Taxes". Income tax expense includes federal, state and foreign income taxes.

Deferred income taxes are provided using the asset and liability method whereby deferred tax assets are recognized for deductible temporary differences and operating loss and tax credit carry-forwards and deferred tax liabilities are recognized for taxable temporary differences. Temporary differences are the differences between the reported amounts of assets and liabilities and their tax bases and are measured using enacted tax rates expected to apply to taxable income in the year in which those temporary differences are expected to be recovered or settled. Deferred tax assets and liabilities are adjusted for the effects of changes in tax laws and rates on the date of enactment. Tax credits and other incentives reduce income tax expense in the year the credits are claimed.

Management must assess the need to accrue or disclose uncertain tax positions for proposed potential adjustments from various federal, state and foreign tax authorities who regularly audit the Company in the normal course of business. In making these assessments, management must often analyze complex tax laws of multiple jurisdictions, including many foreign jurisdictions. The accounting guidance prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. The Company records the related interest expense and penalties, if any, as tax expense in the tax provision.

Management must assess the realizability of the Company's deferred tax assets. In assessing the realizability of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible. Management considers the scheduled reversal of deferred tax liabilities (including the impact of available carryback and carry forward periods), projected future taxable income, and tax-planning strategies in making this assessment. The amount of the deferred tax assets considered realizable, however, could be reduced in the near term if estimates of future taxable income during the carryforward period are reduced.

The Company has made an accounting policy election to record the U.S. income tax effect of future global intangible low-taxed income ("GILTI") inclusions in the period in which they arise, rather than establishing deferred taxes with respect to the expected future tax liabilities associated with future GILTI inclusion.

Certain of the Company's undistributed earnings of its foreign subsidiaries are not permanently reinvested. A liability has been recorded for the deferred taxes on such undistributed foreign earnings. The amount is attributable primarily to the foreign withholding taxes that would become payable should the Company repatriate cash held in its foreign operations.

Earnings per share—The following table reconciles the numerators and denominators used to calculate basic and diluted earnings per share for 2021, 2020 and 2019.

For the Year Ended December 31						
2021	2020	2019				
\$ 1,426	\$ 8,211	\$ 17,707				
35,346	35,290	34,988				
249	231	496				
35,595	35,521	35,484				
	\$ 1,426 35,346 249	2021     2020       \$ 1,426     \$ 8,211       35,346     35,290       249     231				

Options and unvested restricted stock units are included in the computation of diluted earnings per share using the treasury stock method. For 2021, 2020 and 2019, outstanding options and unvested restricted stock units of 1.8 million, 1.0 million and 0.4 million, respectively, were excluded from the computation of diluted earnings per share due to their having an anti-dilutive effect.

Once a restricted stock award vests, it is included in the computation of weighted average shares outstanding for purposes of basic and diluted earnings per share.

Foreign Currency Translation—The functional currencies of the Company's foreign subsidiaries are their local currencies and their books and records are maintained in the local currency. The assets and liabilities of these foreign subsidiaries are translated into United States Dollars ("USD") based on the end-of period exchange rates and the resultant translation adjustments are reported in Accumulated Other Comprehensive Loss in Shareholders' equity on the Consolidated Balance Sheets.

Income and expenses are translated into USD at average exchange rates in effect during the period.

Transactions denominated in other than the local currency are remeasured into the local currency and the resulting exchange gains or losses are included in "Other income (expense), net" line of the Consolidated Statements of Income. Transaction gains (losses) were \$(3.1) million, \$1.3 million and \$0.9 million in 2021, 2020 and 2019, respectively.

Reclassifications —Certain prior year amounts have been reclassified in order to conform to the current year presentation.

Recently adopted accounting pronouncements

On January 1, 2021, the beginning of the Company's fiscal year, the Company adopted Accounting Standards Update ("ASU") No. 2019-12, "Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes" ("ASU 2019-12"), which is intended to simplify various aspects related to accounting for income taxes. ASU 2019-12 removes certain exceptions to the general principles in Topic 740 and also clarifies and amends existing guidance to improve consistent application. The adoption of ASU 2019-12 did not have a material impact on our financial statements.

Recently issued accounting pronouncements not yet adopted

In October 2021, the FASB issued ASU 2021-08, Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers, which addresses how an acquirer should recognize and measure revenue contracts acquired in a business combination. The ASU is effective for fiscal years beginning after December 15, 2022, including interim periods within those fiscal years. The Company is currently evaluating the impact the adoption of the standard will have on the Company's financial position and/or results of operations.

#### 2. Financial Instruments

Our financial instruments consist primarily of cash and cash equivalents, receivables and certain other assets, foreign debt, and accounts payable, which approximate fair value at December 31, 2021 and 2020, due to their short-term nature or variable, market-driven interest rates.

The fair value of the debt issued under our Credit Agreement was \$65.5 million and \$74.0 million at December 31, 2021 and 2020, respectively. The fair value was determined considering market conditions, our credit worthiness and the current terms of our debt, which is considered Level 2 on the fair value hierarchy.

At December 31, 2021 and 2020, the Company had cash and cash equivalents of \$29.9 million and \$36.0 million, respectively, of which \$22.6 million and \$28.0 million, respectively, was held outside of North America, principally in the Netherlands, United Kingdom, China, and Canada.

Concentrations of credit risk:

Financial instruments that potentially subject us to credit risk consist principally of cash and cash equivalents, and accounts receivable. We maintain cash and cash equivalents with various major financial institutions. We perform periodic evaluations of the financial institutions in which our cash is invested. Concentrations of credit risk with respect to trade and contract receivables are limited due to the large number of customers and various geographic areas. Additionally, we perform ongoing credit evaluations of our customers' financial condition.

### 3. Accounts Receivable

Accounts receivable consisted of the following:

		December 31,			
(table only in thousands)	202	1		2020	
Contract receivables	\$	65,932	\$	57,435	
Trade receivables		12,537		8,721	
Allowance for doubtful accounts		(3,478)		(3,110)	
Total accounts receivable	\$	74,991	\$	63,046	

Balances billed, but not paid by customers under retainage provisions in contracts, amounted to approximately \$1.8 million and \$1.5 million at December 31, 2021 and 2020, respectively. Retainage receivables on contracts in progress are generally collected within a year or two subsequent to contract completion, and are recorded in either accounts receivable, net or deferred charges and other assets within the Consolidated Balance Sheets depending on timing of expected collection.

Provision for doubtful accounts was \$0.7 million, \$0.9 million and \$0.3 million during 2021, 2020 and 2021, respectively, while accounts charged to the allowance were \$0.3 million, \$0.4 million and \$0.6 million during 2021, 2020 and 2019, respectively.

### 4. Inventories

Inventories consisted of the following:

		December 31,			
(table only in thousands)	2021		2020		
Raw materials	\$ 1	3,405 \$	14,262		
Work in process		5,147	5,594		
Finished goods		674	496		
Obsolescence allowance	(	2,174)	(3,009)		
Total inventories	\$ 1	7,052 \$	17,343		

Amounts credited to the allowance for obsolete inventory and charged to cost of sales amounted to \$0.1 million, \$0.5 million and \$0.3 million during 2021, 2020 and 2019, respectively. Items charged to the allowance for inventory write-offs were \$0.9 million, \$0.1 million, during 2021, 2020 and 2019, respectively.

# 5. Property, Plant and Equipment

	December 31,						
(Table only in thousands)		2021		2020			
Building and improvements	\$	7,524	\$	7,594			
Machinery and equipment		29,306		26,939			
Property, plant and equipment, gross		36,830		34,533			
Less accumulated depreciation		(20,882)		(18,305)			
Property, plant and equipment, net	\$	15,948	\$	16,228			

Depreciation expense was \$3.2 million, \$2.5 million and \$2.1 million for 2021, 2020 and 2019, respectively.

### 6. Goodwill and Intangible Assets

	Industrial Process				
	<b>Engineered Systems</b>	Solutions			
(table only in thousands)	segment	segment	Totals		
Balance of goodwill at December 31, 2019	\$ 97,007	\$ 55,013	\$ 152,020		
Acquisitions	2,085	7,022	9,107		
Foreign currency translation	693		693		
Balance of goodwill at December 31, 2020	99,785	62,035	161,820		
Foreign currency translation	(482)	(155)	(637)		
Balance of goodwill at December 31, 2021	\$ 99,303	\$ 61,880	\$ 161,183		

As of December 31, 2021 and 2020, the Company has an aggregate amount of goodwill acquired of \$221.9 million and \$222.5 million, respectively, and an aggregate amount of impairment losses of \$60.7 million which was recognized in 2017.

The Company's indefinite lived intangible assets as of December 31, 2021 and 2020 consisted of the following:

(table only in thousands)	2021	1		2020
Balance beginning of year	\$	12,937	\$	14,291
Transfer to finite life classification		(3,150)		(700)
Impairment charge		_		(850)
Foreign currency adjustments		(158)		196
Balance end of year	\$	9,629	\$	12,937

During 2021 and 2020, the Company reassessed the useful lives of certain tradenames and determined that \$3.2 million and \$0.7 million, respectively, of tradenames would have useful lives of 10 years versus indefinite.

The Company completes an annual (or more often if circumstances require) impairment assessment of its goodwill and indefinite life intangible assets on October 1 at the reporting unit level.

The Company bases its measurement of the fair value of a reporting unit using a 50/50 weighting of the income method and the market method. The income method is based on a discounted future cash flow approach that uses the significant assumptions of projected revenue, projected operational profit, terminal growth rates, and the cost of capital. Projected revenue and operational profit, and terminal growth rates were determined to be significant assumptions because they are three primary drivers of the projected cash flows in the discounted future cash flow approach. Cost of capital was also determined to be a significant assumption as it is the discount rate used to calculate the current fair value of those projected cash flows. The market method is based on financial multiples of comparable companies and applies a control premium. Significant estimates in the market approach include identifying similar companies with comparable business factors such as size, growth, profitability, risk and return on investment and assessing comparable revenue and operating income multiples in estimating the fair value of a reporting unit. Based on this analysis, the estimated fair value of all of our reporting units exceeded their carrying value as of October 1, 2021. There was no goodwill impairment in 2021, 2020 and 2019.

The Company also performed an impairment analysis for all indefinite life intangible assets, which consists of tradenames, as of October 1, 2021. The Company based its measurement of the fair value of the indefinite life intangible assets utilizing the relief from royalty method. The significant assumptions used under the relief from royalty method are projected revenue, royalty rates, terminal growth rates, and the cost of capital. Projected revenue, royalty rates and terminal growth rates were determined to be significant assumptions because they are three primary drivers of the projected royalty cash flows in the relief from royalty method. Cost of capital was also determined to be a significant assumption as it is the discount rate used to calculate the current fair value of those projected royalty cash flows. Changes in any of the significant assumptions used can materially affect the expected cash flows, and such impacts can result in material non-cash impairment charges. Under this approach, the estimated fair value of the indefinite life intangible assets exceeded their carrying value for segments as of the testing date. Accordingly, we recognized no impairment charges in our financial results for the year ended December 31, 2021. In 2020 and 2019, we recognized impairment charges of \$0.9 million and zero, respectively.

As described above, the fair value measurement methods used in the Company's goodwill and indefinite life intangible assets impairment analyses utilizes a number of significant unobservable inputs or Level 3 assumptions. These assumptions include, among

others, projections of our future operating results, the implied fair value of these assets using an income approach by preparing a discounted cash flow analysis and other subjective assumptions.

The Company's finite lived intangible assets consisted of the following:

	December 31,							
		20	021			20	020	
(table only in thousands)				Accum.				Accum.
Intangible assets – finite life		Cost		Amort.		Cost		Amort.
Technology	\$	14,457	\$	13,704	\$	14,457	\$	13,008
Customer lists		73,199		53,970		73,199		48,959
Tradenames		9,728		2,745		6,578		1,758
Foreign currency adjustments		(2,149)		(1,025)		(2,826)		(1,954)
Total finite life intangible assets	\$	95,235	\$	69,394	\$	91,408	\$	61,771

Amortization expense of finite life intangible assets was \$6.7 million, \$7.4 million and \$8.5 million for 2021, 2020 and 2019, respectively. Amortization over the next five years for finite life intangibles is \$5.8 million in 2022, \$4.9 million in 2023, \$4.3 million in 2024, \$3.2 million in 2025, and \$1.8 million in 2026.

# 7. Accounts Payable and Accrued Expenses

Accounts payable and accrued expense consisted of the following:

	Decem	ber 31,		
(table only in thousands)	2021	2020		
Trade accounts payable, including amounts due to subcontractors	\$ 56,242	\$	55,899	
Compensation and related benefits	6,065		5,079	
Accrued warranty	3,074		4,090	
Contract liability	4,405		3,974	
Short-term operating lease liability	2,414		2,274	
Other	 11,881		13,681	
Total accounts payable and accrued expenses	\$ 84,081	\$	84,997	

The activity in the Company's current portion of earnout liability is recorded in Accounts payable and accrued expenses on our Consolidated Balance Sheets, consisted of the following:

(table only in thousands)		2021	2020		
Earnout accrued at beginning of year	\$	1,743	\$		
Fair value of earnout at acquisition date		_		553	
Fair value adjustment		704		1,190	
Payments		(1,410)		<del></del>	
Earnout accrued at end of year	\$	1,037	\$	1,743	

As additional consideration in acquisition of Environmental Integrated Solution ("EIS"), the former owners are entitled to earnout payments based upon a multiple of specified financial results through December 31, 2021. Based on projections at the acquisition date, the Company estimated the fair value of the earnout to be \$0.6 million. During 2020 and 2021, the Company increased the earnout based on the estimated fair value at the end of the year. The fair value adjustment is recorded as expense in "Amortization and earnout expenses" on the Consolidated Statements of Income. The changes in fair value were a result of EIS performing above initial acquisition operational expectations. See Note 15 for further discussion of the EIS acquisition.

### 8. Senior debt

Debt consisted of the following:

	December 31,				
(table only in thousands)		2021		2020	
Outstanding borrowings under Credit Facility	· · · · · · · · · · · · · · · · · · ·	_		_	
Term loan payable in quarterly principal installments of \$0.6 million					
through September 2023, \$0.8 million through September 2025 and \$1.1 million					
thereafter with balance due upon maturity in September 2026.					
- Term loan	\$	43,511	\$	46,250	
<ul> <li>Revolving Credit Loan</li> </ul>		22,000		27,700	
<ul> <li>Unamortized debt discount</li> </ul>		(1,731)		(1,334)	
Total outstanding borrowings under Credit Facility		63,780		72,616	
Less: current portion		(2,203)	_	(3,125)	
Total debt, less current portion	\$	61,577	\$	69,491	

In 2021, the Company made repayments of \$2.7 million on the term loan and had net repayments on the revolving credit lines of \$5.7 million. Scheduled principal payments under our Credit Facility are \$2.2 million in 2022, \$2.5 million in 2023, \$3.3 million in 2024, \$3.6 million in 2025 and \$53.9 million in 2026.

### Credit Facility

On December 17, 2021, the Company entered into Amendment No. 2 to the Second Amended and Restated Credit Agreement (the "Credit Facility"). The Credit Facility amended and restated the Company's prior credit agreement. Pursuant to the Credit Facility, the lenders provided a term loan in the aggregate principal amount of \$44.1 million and a senior secured revolving credit commitment up to an aggregate principal amount of \$140.0 million. This revolving credit commitment allows the Company the ability to borrow loans denominated in different currencies. Additionally, the Credit Facility extended the maturity date to December 17, 2026, replaces LIBOR interest with Secured Overnight Financing Rate ("SOFR") interest for USD loans, Sterling Overnight Interbank Average Rate ("SONIA") for GBP loans, and Canadian Dollar Offered Rate ("CDOR") for CAD loans, and redefined certain financial covenants.

As of December 31, 2021 and 2020, \$14.5 million and \$7.6 million of letters of credit were outstanding, respectively. Total unused credit availability under the Company's senior secured term loan and senior secured revolver loan with sub-facilities for letters of credit, swing-line loans and senior secured multi-currency loans was \$45.9 million and \$60.8 million at December 31, 2021 and 2020, respectively. Revolving loans may be borrowed, repaid and reborrowed until December 17, 2026, at which time all outstanding balances of the Credit Facility must be repaid.

At the Company's option, revolving loans and the term loans accrue interest at a per annum rate based on either the highest of (a) the federal funds rate plus 0.5%, (b) the Agent's prime lending rate, (c) Daily Simple SOFR plus the Daily Simple SOFR Adjustment of 0.11448% plus 1.0%, or (d) 1.0%, plus a margin ranging from 1.75% to 2.75% depending on the Company's Consolidated Leverage Ratio ("Base Rate"), or (d) a one/three/six-month Term SOFR Rate (as defined in the Credit Agreement) plus the Term SOFR Adjustment ranging from 0.11% to 0.43% plus 1.75% to 2.75% depending on the Company's Consolidated Leverage Ratio. Interest on swing line loans is the Base Rate.

Interest on Base Rate loans is payable quarterly in arrears on the last day of each calendar quarter and at maturity. Interest on Term SOFR rate loans is payable on the last date of each applicable Interest Period (as defined in the agreement), but in no event less than once every three months and at maturity. The weighted average stated interest rate on outstanding borrowings was 2.54% and 2.25% at December 31, 2021 and 2020, respectively.

Under the terms of the Credit Facility, the Company is required to maintain certain financial covenants, including the maintenance of a Consolidated Net Leverage Ratio (as defined in the Credit Facility). Through September 30, 2023, the maximum Consolidated Net Leverage Ratio is 3.75, after which time it will decrease to 3.50 until the end of the term of the Credit Facility.

The Company's obligations under the Credit Agreement are guaranteed by the Company's U.S. subsidiaries and such guaranty obligations are secured by a security interest on substantially all the assets of such subsidiaries, including certain real property. The Company's obligations under the Credit Agreement may also be guaranteed by the Company's material foreign subsidiaries to the extent no adverse tax consequences would result to the Company.

In connection with the Credit Facility, the Company paid \$0.8 million in customary closing fees during 2021 that were deferred and classified as a debt discount, as a result of the Credit Facility being accounted for as a debt modification.

As of December 31, 2021 and 2020, the Company was in compliance with all related financial and other restrictive covenants under the Credit Facility.

## Foreign Debt

The Company has a number of bank guarantee facilities and bilateral lines of credit in various foreign countries currently supported by cash, letters of credit or pledged assets and collateral under the Credit Facility. The Credit Facility allows letters of credit and bank guarantee issuances of up to \$65.0 million from the bilateral lines of credit secured by pledged assets and collateral under the Credit Facility. As of December 31, 2021, \$14.7 million in bank guarantees were outstanding. In addition, a subsidiary of the Company located in the Netherlands has a Euro-denominated bank guarantee agreement secured by local assets under which \$0.8 million in bank guarantees were outstanding as of December 31, 2021. As of December 31, 2021, the borrowers of these facilities and agreements were in compliance with all related financial and other restrictive covenants.

## 9. Shareholders' Equity

# **Share-Based Compensation**

The Company's 2021 Equity and Incentive Compensation Plan (the "2021 Plan") was approved by the Company's stockholders on May 25, 2021 which replaced the 2017 Equity Incentive Plan (the "2017 Plan"). No further grants will be made under the 2017 Plan, but outstanding awards under the 2017 Plan will continue to be unaffected in accordance with their terms. The 2021 Plan permits the granting of stock options with an exercise price equal to or greater than the fair market value of the Company's common stock at the date of the grant, and other stock-based awards, including appreciation rights, restricted stock, restricted stock units, performance shares and dividend equivalents. A total of 2.6 million shares of common stock were authorized for issuance. As of December 31, 2021, 2.5 million shares remain available for future issuance. Stock options granted to employees generally vest equally over a period of four years from the date of the grant. Stock awards granted to employees generally vest over a period of three to four years from the date of the grant.

On July 6, 2020, in connection with the appointment of our Chief Executive Officer, the Company granted our Chief Executive Officer approximately 94,000 restricted stock units with a fair value of \$0.6 million, which are being expensed over the vesting period of four years. The Company also granted our Chief Executive Officer approximately 1.2 million stock options with a fair value of \$2.4 million that are being expensed over the vesting period of four years. These grants of restricted stock units and stock options ("2020 Inducement Awards") were approved by the Board of Directors of the Company and are not included in any of the aforementioned Plans.

Share-based compensation expense for stock options and restricted stock awards under these plans was \$3.3 million, \$1.8 million and \$2.7 million for 2021, 2020 and 2019, respectively. The tax benefit related to share based compensation expense was \$0.8 million, \$0.3 million and \$0.4 million in 2021, 2020 and 2019, respectively.

### **Employee Stock Purchase Plan**

The 2020 Employee Stock Purchase Plan ("ESPP") was approved by shareholders on June 11, 2020. The ESPP is administered by the Compensation Committee. The ESPP allows employees to purchase shares of common stock at a 15% discount from market price and pay for the shares through payroll deductions. Eligible employees can enter the plan at specific "offering dates" that occur in sixmonth intervals.

The aggregate maximum number of shares of the Company's common stock that may be granted under the ESPP is 1.3 million shares over the ten-year term of the ESPP, subject to adjustment in the event there is a reorganization, merger, consolidation, recapitalization, reclassification, stock split-up, or similar transaction with respect to the common stock. As of December 31, 2021, 1.3 million shares remain available for future issuance.

The Company recognized employee stock purchase plan expense of \$60,000, \$20,000 and \$60,000 in 2021, 2020 and 2019, respectively.

# **Stock Options**

The estimated weighted-average fair value of stock options granted during 2020, was \$1.98 per option, using the Black-Scholes option-pricing model based on the following assumptions:

*Expected Volatility*: The Company utilizes a volatility factor based on the Company's historical stock prices for a period of time equal to the expected term of the stock option utilizing weekly price observations. For 2020, the Company utilized weighted-average volatility factors of 52.5%.

*Expected Term*: Due to limited historical exercise data, the Company utilizes the simplified method of determining the expected term based on the vesting schedules and terms of the stock options. For 2020, the Company utilized weighted-average expected term factors of 5.0 years.

*Risk-Free Interest Rate*: The risk-free interest rate factor utilized is based upon the implied yields currently available on U.S. Treasury zero-coupon issues over the expected term of the stock options. For 2020, the Company utilized a weighted-average risk-free interest rate factor of 0.3%.

The fair value of stock options is recorded as compensation expense on a straight-line basis over the vesting periods (which approximates the requisite service period) of the options and we account for forfeitures when they occur.

Information related to all stock options under the 2021 Plan, 2017 Plan and 2007 Plan, and the 2020 Inducement Awards for 2021, 2020 and 2019 is shown in the tables below:

		Weighted Average Exercise	Weighted Average Remaining Contractual	Aggregate Intrinsic Value
(Shares in thousands)	Shares	Price	Term	(\$000)
Outstanding at December 31, 2020	1,554	\$ 11.17	5.8 years	
Forfeitures	(38)	10.63		
Exercised	(2)	6.66		
Outstanding at December 31, 2021	1,514	11.19	4.9 years	\$
Exercisable at December 31, 2021	603	11.39	4.0 years	\$

(Shares in thousands)	Shares	Weighted Average Exercise Price		Weighted Average Remaining Contractual Term	Aggregate Intrinsic Value (\$000)
Outstanding at December 31, 2019	410	\$	11.45	4.7 years	(\$000)
Forfeitures	(71)	Ψ	10.86	4.7 y cars	
Granted	1,215		11.06		
Outstanding at December 31, 2020	1,554		11.17	5.8 years \$	195
Exercisable at December 31, 2020	330		11.66	3.0 years \$	6

(Shares in thousands)	Shares	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term	aggregate Intrinsic Value (\$000)	
Outstanding at December 31, 2018	507	\$ 10.43	5.2 years		
Forfeitures	(31)	6.84			
Exercised	(66)	4.10			
Outstanding at December 31, 2019	410	11.45	4.7 years	\$	32
Exercisable at December 31, 2019	355	12.08	4.6 years	\$	29

### **Restricted Stock Awards**

Information related to restricted stock awards under the 2021 Plan, 2017 Plan, 2007 Plan, and the 2020 Inducement Awards for 2021, 2020 and 2019 is shown in the table below. The fair value of restricted stock awards is based on the price of the stock in the open market on the date of the grant, and the fair value of performance-based restricted stock units is determined by using the Monte Carlo valuation model. The fair value of the restricted stock awards is recorded as compensation expense on a straight-line basis over the vesting periods of the awards and we account for forfeitures when they occur.

		Weighted Average Grant Date	
(Shares in thousands)	Shares	Fair Value	
Nonvested at December 31, 2018	1,251	\$ 6.	.30
Granted	464	7.	.50
Vested	(310)	7.	.24
Forfeited	(84)	6.	.36
Nonvested at December 31, 2019	1,321	6.	.80
Granted	648	5.	.64
Vested	(284)	7.	.60
Forfeited	(638)	5.	.91
Nonvested at December 31, 2020	1,047	6.	.00
Granted	573	8.	.19
Vested	(323)	6.	.31
Forfeited	(264)	5.	.80
Nonvested at December 31, 2021	1,033	\$ 7.	.17

The Company received zero, zero and \$7,000 of cash from employees exercising options in 2021, 2020 and 2019, respectively. The Company received approximately \$13,000 from a non-employee director exercising options during 2021. The intrinsic value of options exercised during 2021, 2020 and 2019 was \$3,000, zero and \$0.3 million, respectively.

Unrecognized compensation expense related to nonvested shares of stock options, restricted stock and performance units was \$6.7 million at December 31, 2021 and will be recognized over a weighted average vesting period of 2.3 years.

### **Common Stock Repurchase**

On August 3, 2021, the Company's Board of Directors authorized a share repurchase program under which CECO may purchase up to \$5.0 million of its outstanding shares of Company stock. The authorization permitted the Company to repurchase shares in the open market, through accelerated share repurchases, block trades, 10b5-1 plans or through privately negotiated transactions in accordance with applicable laws, rules and regulations. The Company completed its purchases authorized under the plan in October 2021, repurchasing 698,693 shares at an average price of \$7.16. All treasury shares were retired following the repurchase.

### Dividends

Our dividend policy and the payment of cash dividends under that policy are subject to the Board of Director's continuing determination that the dividend policy and the declaration of dividends are in the best interest of the Company's stockholders. Future dividends and the dividend policy may be changed at the Company's discretion at any time. Payment of dividends is also subject to the continuing compliance with our financial covenants under our Credit Facility. We have not paid a cash dividend on our common stock in any of the years ended December 31, 2021, 2020 or 2019 and currently intend to retain future earnings, if any, to finance the operations, growth and development of our business in the foreseeable future.

# 10. Pension and Employee Benefit Plans

We sponsor a non-contributory defined benefit pension plan for certain union employees. The accrual of future benefits for all participants who are non-union employees was frozen effective December 31, 2008. The plan is funded in accordance with the funding requirements of the Employee Retirement Income Security Act of 1974.

The following tables set forth the plan changes in benefit obligations, plan assets and funded status on the measurement dates:

	December 31,					
(table only in thousands)		2021		2020		2019
Change in projected benefit obligation:						
Projected benefit obligation at beginning of year	\$	38,272	\$	35,985	\$	32,998
Interest cost		775		1,034		1,303
Actuarial (gain) loss		(1,936)		3,323		3,704
Benefits paid		(2,076)		(2,070)		(2,020)
Projected benefit obligation at end of year		35,035		38,272		35,985
Change in plan assets:				_		_
Fair value of plan assets at beginning of year		28,545		27,099		24,197
Actual return on plan assets		3,005		1,629		4,431
Employer contribution				1,887		491
Benefits paid		(2,076)		(2,070)		(2,020)
Fair value of plan assets at end of year		29,474		28,545		27,099
Funded status at end of year	\$	(5,561)	\$	(9,727)	\$	(8,886)
Weighted-average assumptions used to determine benefit obligations						
for the year ended December 31:						
Discount rate		2.55%		2.10%		2.95%

The funded status as of December 31, 2021, 2020 and 2019, was \$5.6 million, \$9.7 million and \$8.8 million, respectively and is recognized in our Consolidated Balance Sheets within other long-term liabilities.

The details of net periodic benefit cost for pension benefits included in the accompanying Consolidated Statements of Income are as follows:

	December 31,					
(table only in thousands)		2021		2020		2019
Interest cost	\$	775	\$	1,034	\$	1,303
Expected return on plan assets		(1,510)		(1,594)		(1,254)
Amortization of net loss		411		266		263
Net periodic benefit (income) cost	\$	(324)	\$	(294)	\$	312

Other changes in plan assets and benefit obligations recognized in other comprehensive income:

	December 31,					
(table only in thousands)		2021		2020		2019
Net (gain) loss	\$	(3,432)	\$	3,287	\$	527
Amortization of net actuarial loss		(411)		(266)		(263)
Total recognized in other comprehensive income (loss)	\$	(3,843)	\$	3,021	\$	264
Total recognized in net periodic benefit cost and other comprehensive						
income (loss)	\$	(4,167)	\$	2,727	\$	576

The \$3.4 million net gain arising in the year was primarily due to increases in the discount rate, and higher actual returns on plan assets.

Weighted-average assumptions used to determine net periodic benefit costs

		December 31,	
	2021	2020	2019
Discount Rate	2.10%	2.95%	4.05%
Expected return on assets	5.50%	6.00%	5.35%

The basis of the long-term rate of return assumption reflects the current asset mix for the pension plan of approximately 30% to 40% debt securities and 60% to 70% equity securities with assumed average annual returns of approximately 4% to 6% for debt securities and 8% to 12% for equity securities. The investment portfolio for the pension plan will be adjusted periodically to maintain the current ratios of debt securities and equity securities. Additional consideration is given to the historical returns for the pension plan as well as future long range projections of investment returns for each asset category. The long-term rate of return also considers administrative expenses of the plan.

Benefits under the plan is not based on wages and, therefore, future wage adjustments have no effect on the projected benefit obligation.

During 2021, 2020 and 2019, the Company updated the mortality tables (RP-2020 Total Mortality Table, RP-2019 Total Mortality Table, and RP-2018 Total Mortality Table for each respective year) in the underlying assumptions used to determine the benefit obligation.

Pension plan assets are invested in trusts comprised primarily of investments in various debt and equity funds. A fiduciary committee establishes the target asset mix and monitors asset performance. The expected rate of return on assets includes the determination of a real rate of return for equity and fixed income investment applied to the portfolio based on their relative weighting, increased by an underlying inflation rate.

Our defined benefit pension plan asset allocation by asset category is as follows:

	Target Allocation		ntage of Assets
	2021	2021	2020
Asset Category:			
Cash and cash equivalents	0%	1%	6%
Equity securities	70%	77%	66%
Debt securities	30%	22%	27%
Total	100%	100%	100%

Estimated pension plan cash obligations are \$2.2 million, \$2.2 million, \$2.2 million, \$2.2 million, and \$2.2 million for 2022 through 2026, respectively, and a total of \$10.1 million for the years 2027 through 2031.

Fair Value Measurements of Pension Plan Assets

Following is a description of the valuation methodologies used for pension assets measured at fair value:

- Cash and cash equivalents: Cash and cash equivalents consist primarily of cash on deposit in money market funds. Cash and cash equivalents are stated at cost, which approximates fair value.
- Equity securities: Equity securities consist of various managed funds that invest primarily in common stocks. These securities are valued at the net asset value of shares held by the plan at year end. The net asset value is calculated based on the underlying shares and investments held by the funds.
- Debt securities: Debt securities consist of U.S. government and agency securities, corporate bonds and notes, and managed funds that invest in fixed income securities. U.S governmental and agency securities are valued at closing prices reported in the active market in which the individual securities are traded. Corporate bonds and notes are valued using market inputs including benchmark yields, reported trades, broker/dealer quotes, issuer spreads, two-sided markets, benchmark securities, bids, offers and reference data including market research publications. Inputs may be prioritized differently at certain times based on market conditions. Managed funds are valued at the net asset value of shares held by the plan at year end. The net asset value is calculated based on the underlying investments held by the fund.

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Company believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The Company's assessment of the significance of a particular input to the fair value measurement requires judgment and may affect the valuation of the fair value of assets and liabilities and their placement within the fair value hierarchy levels.

The levels assigned to the defined benefit plan assets as of December 31, 2021, are summarized in the tables below:

(table only in thousands)	Level 1 Level 2		Level 3		Total		
Pension assets, at fair value:							
Cash and cash equivalents	\$	208	\$ 	\$		\$	208
Equity securities		22,687	_		_		22,687
Debt securities		6,579			_		6,579
Total assets	\$	29,474	\$	\$		\$	29,474

The levels assigned to the defined benefit plan assets as of December 31, 2020, are summarized in the tables below:

(table only in thousands)	Level 1		Level 2		Level 3		Total
Pension assets, at fair value:							
Cash and cash equivalents	\$	1,984	\$	_	\$	_	\$ 1,984
Equity securities		18,987		_			18,987
Debt securities		7,574		_		_	7,574
Total assets	\$	28,545	\$		\$		\$ 28,545

The Company contributes to a number of multiemployer defined benefit pension plans under the terms of collective-bargaining agreements that cover its union-represented employees. The risks of participating in these multiemployer plans are different from single-employer plans in the following aspects:

- Assets contributed to the multiemployer plan by one employer may be used to provide benefits to employees of other participating employers.
- If a participating employer stops contributing to the plan, the unfunded obligations of the plan may be borne by the remaining participating employers.
- If the Company chooses to stop participating in some of its multiemployer plans, CECO may be required to pay those plans an amount based on the underfunded status of the plan, referred to as a withdrawal liability.

The Company's participation in these plans for the year ended December 31, 2021, is outlined in the table below. The "EIN/Pension Plan Number" column provides the Employer Identification Number and the three-digit plan number, if applicable. Unless otherwise noted, the most recent Pension Protection Act zone status available in 2021 is for the plan's year-end at December 31, 2020. The zone status is based on information that the Company received from the plan and is certified by the plan's actuary. Among other factors, plans in the red zone are generally less than 65% funded, plans in the yellow zone are less than 80% funded, and plans in the green zone are at least 80% funded. The "FIP/RP Status Pending/Implemented" column indicates plans for which a financial improvement plan (FIP) or a rehabilitation plan (RP) is either pending or has been implemented. The last column lists the expiration date(s) of the collective-bargaining agreement(s) to which the plans are subject.

	EIN/Pension	Pension Protection Act Zone Status	FIF/RP Status	Surcharge	Expiration of Collective Bargaining
Pension Fund	Plan Number	2012	Pending/Implemented	Imposed	Agreement
Sheet Metal Workers' National Pension Fund	52-6112463/001	Green	FIF: Yes - Implemented RP: Yes - Implemented	No	Various
Sheet Metal Workers Local 224 Pension Plan	31-6171353/001	Yellow	FIF: Yes - Implemented	No	May 31, 2022
Sheet Metal Workers Local No. 177 Pension Fund	62-6093256/001	Green	Is not subject	No	May 1, 2023

Kirk and Blum was listed in the Sheet Metal Workers Local No. 177 Pension Fund's Form 5500 as providing more than five percent of total contributions for the year ended December 31, 2020. The Company was not listed in any of the other plans' Forms 5500 as providing more than five percent of the total contributions for the plans and plan years. At the date the financial statements were issued, Forms 5500 were not available for the plan years ended December 31, 2021.

We have no current intention of withdrawing from any plan and, therefore, no liability has been provided in the accompanying consolidated financial statements.

Amounts charged to pension expense under the above plans including the multi-employer plans totaled \$0.6 million, \$1.0 million and \$1.7 million in 2021, 2020 and 2019, respectively.

We have a 401(k) savings retirement plan for employees of certain of our subsidiaries. The plan covers substantially all employees who have 30 days of service, and who have attained 18 years of age. The plan allows us to make discretionary contributions and provides for employee salary deferrals of up to 100%. We made aggregate matching contributions and discretionary contributions of \$0.9 million, \$1.6 million, and \$1.7 million during 2021, 2020 and 2019, respectively.

### 11. Leases

On January 1, 2019, we adopted the new lease accounting guidance, ASC 842. The Lease accounting guidance under ASC 842 establishes a right-of-use ("ROU") model that requires a lessee to record a ROU asset and a lease liability on the balance sheet for all leases with terms longer than 12 months. Our leasing activity is primarily related to buildings used for manufacturing, warehousing, sales, and administrative activities. We determine if an arrangement is a lease at inception. Many of our lease agreements contain renewal options; however, we do not recognize ROU assets or lease liabilities for renewal periods unless it is determined that we are reasonably certain of renewing the lease at inception or when a triggering event occurs. Some of our lease agreements contain rent escalation clauses, free-rent periods, or other lease concessions. We recognize our minimum rental expense on a straight-line basis based on the fixed components of a lease arrangement. Variable lease costs represent amounts that are not fixed in nature and are not tied to an index or rate, and are recognized as incurred. Our variable lease costs are not material.

In determining our ROU assets and lease liabilities, we apply a discount rate to the minimum lease payments within each lease agreement. ASC 842 requires us to use the rate of interest that a lessee would have to pay to borrow on a collateralized basis over a similar term an amount equal to the lease payments in a similar economic environment. When we cannot readily determine the discount rate implicit in the lease agreement, we utilize our fully collateralized incremental borrowing rate. To estimate our specific incremental borrowing rates we consider, among other factors, interest rates on our existing credit facilities, risk-free rates, the types of assets being leased, and the term of the leases.

The components of lease expense were as follows:

	December 31,					
(table only in thousands)	_	2021		2020		2019
Operating lease cost (a)	\$	3,232	\$	3,450	\$	3,612
Finance lease cost:						
Amortization of right-of-use assets		308		308		309
Interest on lease liability		315		338		360
Total finance lease cost	_	623		646		669
Total lease cost	\$	3,855	\$	4,096	\$	4,281

(a) includes variable lease costs which are immaterial

Supplemental cash flow information related to leases was as follows:

	December 31,						
(table only in thousands)		2021		2020		2019	
Cash paid for amounts included in the measurement of lease liabilities							
Operating cash flows from operating leases	\$	3,171	\$	3,338	\$	3,453	
Operating cash flows from finance leases	\$	315	\$	338	\$	360	
Financing cash flows from finance leases	\$	603	\$	467	\$	478	
Right of use assets obtained in exchange for lease obligations							
Operating leases	\$	2,206	\$	545	\$	3,547	

Supplemental balance sheet information related to leases was as follows:

	December 31,								
(table only in thousands)		2021		2020					
Operating leases									
Right-of-use assets from operating leases	\$	10,893	\$	11,376					
Accounts payable and accrued expenses	\$	2,414	\$	2,274					
Operating lease liabilities		8,762		9,310					
Total operating lease liabilities	\$	11,176	\$	11,584					
Finance leases									
Property, plant and equipment, net	\$	2,619	\$	2,947					
Accounts payable and accrued expenses	\$	600	\$	557					
Other liabilities		6,183		6,783					
Total finance lease liabilities	\$	6,783	\$	7,340					

Weighted-average remaining lease term as of December 31, 2021 were as follows:

Operating leases	11 years
Finance leases	10 years
Weighted-average discount rate	
Operating leases	4.8%
Finance leases	4.5%

As of December 31, 2021, maturities of lease liabilities were as follows:

(table only in thousands)	Oper	rating Leases	Finance	Leases
2022		2,922		889
2023		2,498		907
2024		2,168		925
2025		1,813		943
2026		1,169		962
Thereafter		2,411		3,579
Total minimum lease payments	\$	12,981	\$	8,205
Less imputed interest		(1,805)		(1,422)
Lease liability	\$	11,176	\$	6,783

# 12. Commitments and Contingencies

### **Legal Proceedings**

Asbestos cases

Our subsidiary, Met-Pro, beginning in 2002 began to be named in asbestos-related lawsuits filed against a large number of industrial companies including, in particular, those in the pump and fluid handling industries. In management's opinion, the complaints typically have been vague, general and speculative, alleging that Met-Pro, along with the numerous other defendants, sold unidentified asbestos-containing products and engaged in other related actions which caused injuries (including death) and loss to the plaintiffs. Counsel has advised that more recent cases typically allege more serious claims of mesothelioma. The Company's insurers have hired attorneys who, together with the Company, are vigorously defending these cases. Many cases have been dismissed after the plaintiff fails to produce evidence of exposure to Met-Pro's products. In those cases, where evidence has been produced, the Company's experience has been that the exposure levels are low and the Company's position has been that its products were not a cause of death, injury or loss. The Company has been dismissed from or settled a large number of these cases. Cumulative settlement payments from 2002 through December 31, 2021 for cases involving asbestos-related claims were \$4.8 million which together with all legal fees other than corporate counsel expenses; \$4.7 million have been paid by the Company's insurers. The average cost per settled claim, excluding legal fees, was approximately \$41,000.

Based upon the most recent information available to the Company regarding such claims, there were a total of 223 cases pending against the Company as of December 31, 2021 (with Illinois, New York, Pennsylvania and West Virginia having the largest number of cases), as compared with 200 cases that were pending as of December 31, 2020. During 2021, 101 new cases were filed against the Company, and the Company was dismissed from 53 cases and settled 25 cases. Most of the pending cases have not advanced beyond the early stages of discovery, although a number of cases are on schedules leading to or are scheduled for trial. The Company believes that its insurance coverage is adequate for the cases currently pending against the Company and for the foreseeable future, assuming a continuation of the current volume, nature of cases and settlement amounts. However, the Company has no control over the number and nature of cases that are filed against it, nor as to the financial health of its insurers or their position as to coverage. The Company also presently believes that none of the pending cases will have a material adverse impact upon the Company's results of operations, liquidity or financial condition.

### Other

The Company is also a party to routine contract and employment-related litigation matters and routine audits of state and local tax returns arising in the ordinary course of its business.

The final outcome and impact of open matters, and related claims and investigations that may be brought in the future, are subject to many variables, and cannot be predicted. In accordance with ASC 450, "Contingencies," and related guidance, we record reserves for estimated losses relating to claims and lawsuits when available information indicates that a loss is probable and the amount of the loss, or range of loss, can be reasonably estimated. The Company expenses legal costs as they are incurred.

We are not aware of pending claims or assessments, other than as described above, which may have a material adverse impact on our liquidity, financial position, results of operations, or cash flows.

### 13. Income Taxes

Income (loss) before income taxes was generated in the United States and globally as follows:

(table only in thousands)	2	021	 2020	 2019
Domestic	\$	771	\$ 3,495	\$ 11,565
Foreign		3,903	8,349	1,779
	\$	4,674	\$ 11,844	\$ 13,344

Certain of the Company's undistributed earnings of its foreign subsidiaries are not permanently reinvested, as management intends to repatriate foreign-held cash as needed to meet domestic cash needs for operating, investing, and financing activities. A liability of \$1.1 million has been recorded for the deferred taxes on such undistributed foreign earnings as of December 31, 2021. The deferred taxes are attributable primarily to the foreign withholding taxes that would become payable should the Company repatriate cash held in its foreign operations.

Income tax expense (benefit) consisted of the following for the years ended December 31:

(table only in thousands)	2	021	 2020	 2019
Current:				
Federal	\$	354	\$ (239)	\$ (4,526)
State		278	241	(616)
Foreign		1,972	2,632	1,719
		2,604	 2,634	(3,423)
Deferred:				
Federal		426	1,638	(604)
State		45	313	(220)
Foreign		(384)	(913)	 (116)
		87	 1,038	 (940)
	\$	2,691	\$ 3,672	\$ (4,363)

The income tax expense (benefit) differs from the statutory rate due to the following:

(table only in thousands)	202	21	2020	2019
Tax expense at statutory rate	\$	981	\$ 2,487	\$ 2,802
Increase (decrease) in tax resulting from:				
State income tax, net of federal benefit		334	503	(707)
Change in uncertain tax position reserves		2	(115)	(236)
Permanent differences related to divestitures		_	_	(4,201)
Other permanent differences		22	601	(842)
Impact of rate differences and adjustments		1,003	101	884
United States tax credits and incentives		300	153	(2,124)
Foreign tax credits and incentives		(265)	(794)	(1,386)
Change in valuation allowance		(489)	(218)	198
Net deemed distribution on repatriation of foreign earnings		_	_	_
Foreign withholding taxes on repatriation of foreign earnings		244	242	646
Earnout expense (income)		233	293	_
Investment in joint venture		237	(1,341)	_
Net effect GILTI and FDII		_	1,598	399
Other		89	162	204
	\$	2,691	\$ 3,672	\$ (4,363)

Deferred income taxes reflect the future tax consequences of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes and tax credit carry forwards. The net deferred tax liabilities consisted of the following at December 31:

(table only in thousands)	2021	2020	
Gross deferred tax assets:			
Accrued expenses	\$ 775	\$	731
Reserves on assets	1,576		1,777
Share-based compensation awards	400		334
Minimum pension	1,239		2,188
Net operating loss carry-forwards	3,001		3,531
Tax credit carry-forwards	2,464		2,518
Investment in joint venture	1,226		1,505
Leases	2,424		2,556
Other	582		645
Valuation allowances	(5,476)		(5,965)
	\$ 8,211	\$	9,820
Gross deferred tax liabilities:			
Depreciation	(881)		(1,159)
Goodwill and intangibles	(11,501)		(11,565)
Prepaid expenses and inventory	(132)		(438)
Withholding tax on unremitted foreign earnings	(1,114)		(871)
Leases	(2,424)		(2,602)
Revenue recognition	(44)		(155)
	 (16,096)		(16,790)
Net deferred tax liabilities	\$ (7,885)	\$	(6,970)

As of December 31, 2021, state and local net operating loss carry forwards total \$42.8 million, which expire from 2022 to 2041. The Company has recorded a valuation allowance on certain of these net operating loss carry forwards to reflect expected realization. The Company also has net operating loss carry forwards in foreign jurisdictions totaling \$9.8 million. A valuation allowance of \$6.5 million has been established against these losses in foreign jurisdictions. As of December 31, 2021 and 2020, the Company has recorded a valuation reserve in the amount of \$5.5 million and \$6.0 million, respectively. The changes in the valuation allowance resulted in additional income tax expense (benefit) of \$(0.5) million, \$(0.2) million, and \$0.2 million in 2021, 2020, and 2019, respectively.

In assessing the realizability of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible. Management considers the scheduled reversal of deferred tax liabilities (including the impact of available carryback and carry forward periods), projected future taxable income, and tax-planning strategies in making this assessment. Based on this assessment, management believes it is more likely than not that the Company will realize the benefits of these deductible differences, net of the existing valuation allowances at December 31, 2021. The amount of the deferred tax assets considered realizable, however, could be reduced in the near term if estimates of future taxable income during the carryforward period are reduced.

The Company accounts for uncertain tax positions pursuant to FASB ASC Topic 740. The Company recognizes the effect of income tax positions only if those positions are more likely than not of being sustained. Recognized income tax positions are measured at the largest amount that is greater than 50% likely of being realized. Changes in recognition or measurement are reflected in the period in which the change in judgment occurs. A reconciliation of the beginning and ending amount of uncertain tax position reserves included in other liabilities on the Consolidated Balance Sheets is as follows:

(table only in thousands)	 2021	2020
Balance as of January 1,	\$ 139	\$ 254
Additions for tax positions taken in prior years	2	2
Reductions of tax positions taken in prior years	_	(117)
Reductions for settlements on tax positions of prior years	_	_
Balance as of December 31,	\$ 141	\$ 139

The Company recognizes interest and penalties related to uncertain tax positions in income tax expense. The reserve for uncertain tax positions includes \$0.1 million of interest and penalties as of December 31, 2021 and 2020. The favorable settlement of all uncertain

tax positions would impact the Company's effective income tax rate. Tax years going back to 2016 remain open for all significant state and foreign authorities.

# 14. Related Party Transactions

During 2021, 2020 and 2019 we paid fees of zero, \$0.1 million and \$0.2 million, respectively, for consulting services to Icarus, through which Jason DeZwirek, our Chairman of our Board, provides services. The services described above are based on a verbal agreement with the Company, but such services were terminated prior to 2021.

# 15. Acquisitions and Joint Ventures

# Environmental Integrated Solutions

On June 4, 2020, the Company acquired 100% of the equity interests of Environmental Integrated Solutions ("EIS") for \$10.3 million in cash, which was financed through our revolving credit facility. As additional consideration, the former owners are entitled to earn-out payments based upon a multiple of specified financial results through December 31, 2021, which was estimated to be \$0.6 million at the acquisition date. See Note 7 for additional information on the earnout.

EIS engineers products that clean air through a variety of technologies including volatile organic compounds ("VOC") abatement, odor control, regenerative thermal oxidizers, and other air pollution control solutions, which complements our Industrial Process Solutions segment businesses. The following table summarizes the approximate fair values of the assets acquired and liabilities assumed at the date of closing.

(Table only in thousands)		
Current assets (including cash of \$4,212)	\$	6,416
Property and equipment		26
Other assets		44
Goodwill		7,022
Intangible - finite life		4,840
Total assets acquired	·	18,348
Current liabilities assumed		(6,514)
Deferred income tax liability		(920)
Net assets acquired	\$	10,914

Goodwill recognized represents value the Company expects to be created by combining the various operations of the acquired businesses with the Company's operations, including the expansion into markets within existing business segments, access to new customers and potential cost savings and synergies. Goodwill related to this acquisition is not deductible for tax purposes.

The Company acquired customer lists and tradename intangible assets valued at \$4.2 million and \$0.6 million, respectively. These assets were determined to have useful lives of 10 years.

Acquisition and integration expenses on the Consolidated Statements of Income are related to acquisition activities, which include retention, legal, accounting, banking, and other expenses. During 2021 and 2020, EIS accounted for \$19.9 million and \$8.1 million in revenue and \$2.5 million and \$(0.8) million of pre-tax income (loss) (inclusive of the earnout adjustment noted above), respectively.

# Mader

On July 31, 2020, the Company entered into the JV Agreement with Mader in which CECO contributed the net assets of its Effox-Flextor damper business and Mader contributed the net assets of their damper business. Under the terms of the JV Agreement, CECO will hold 70% of the equity in the joint venture, and 50% voting interest. We determined CECO was the primary beneficiary of this variable interest entity and therefore the 30% noncontrolling equity interest is in the Consolidated Balance Sheet. The results of the joint venture are included in our Engineered Systems segment. The fair value of Mader's net assets contributed was \$1.0 million. As of December 31, 2021 and 2020 there were \$8.9 million and \$6.4 million in current assets, \$8.7 million and \$8.9 million in long-lived assets, and \$9.0 million and \$7.6 million in total liabilities related to the Effox-Mader joint venture, respectively included in our Consolidated Balance Sheets. During 2021 and 2020, the Effox-Madder joint venture accounted for \$21.4 million and \$7.7 million in revenue and \$2.5 million and \$(0.2) million of pre-tax income (loss).

The following table summarizes the approximate fair values of the assets acquired and liabilities assumed at the JV agreement date.

(table only in thousands)	
Current assets (including cash of \$229)	\$ 2,040
Property and equipment	103
Goodwill	2,085
Deferred income tax asset	 287
Total assets assumed	4,515
Current liabilities assumed	(515)
Other liabilities	(500)
Long term debt	 (2,508)
Net assets acquired	\$ 992

Goodwill recognized represents value the Company expects to be created by combining the various operations of the joint venture with the Company's operations, including the expansion into markets within existing business segments, access to new customers and potential cost savings and synergies. Goodwill related to this joint venture is not deductible for tax purposes.

The following unaudited pro forma financial information represents the Company's results of operations as if the EIS acquisition and the joint venture with Mader had occurred on January 1, 2019:

	 Decem	ber 31,	
(table only in thousands, except per share data)	 2020		2019
Net sales	\$ 329,801	\$	368,027
Net income attributable to CECO Environmental Corp.	9,728		26,980
Earnings per share:			
Basic	\$ 0.28	\$	0.77
Diluted	\$ 0.27	\$	0.76

The pro forma results have been prepared for informational purposes only and include adjustments to amortize acquired intangible assets with finite life, reflect additional interest expense on debt used to fund the acquisition, and to record the income tax consequences of the pro forma adjustments. These pro forma results do not purport to be indicative of the results of operations that would have occurred had the purchase been made as of the beginning of the periods presented or of the results of operations that may occur in the future. For the year ended December 31, 2021, the results of operations for the EIS acquisition and joint venture with Mader are included in the Company's results for the full year.

### 16. Business Segment Information

The Company's operations are organized and reviewed by management along its product lines or end markets that the segment serves and are presented in two reportable segments. The results of the segments are reviewed through to the "Income from operations" line on the Consolidated Statements of Income. The accounting policies of the segments are the same as those in the consolidated financial statements. During the first quarter of 2021, management determined that a realignment of the Company's segments was necessary to better reflect the solutions we provide, and the end markets we serve. As a result of this realignment, we combined the operating results of the prior Industrial Solutions segment and Fluid Handling Solutions segment into a single reportable segment named the Industrial Process Solutions segment. In addition, the Energy Solutions segment was renamed the Engineered Systems segment. The results of the segments are reviewed through the "Income from operations" line on the Consolidated Statements of Income.

The Company's reportable segments are organized as groups of similar products and services, as described as follows:

- Engineered Systems segment: Our Engineered Systems segment, formerly known as the Energy Solutions segment, serves the power generation, refinery, water/wastewater and midstream oil & gas markets. We are a key part of helping meet the global demand for environmental and equipment protection through our highly engineered platforms including emissions management, fluid bed cyclones, thermal acoustics, separation & filtration, and dampers & expansion joints.
- Industrial Process Solutions segment: Our Industrial Process Solutions segment is the combination of the segments formerly known as our Industrial Solutions segment and our Fluid Handling Solutions segment, which serves the broad industrial air pollution control, beverage can, fluid handling, electric vehicle production, food and beverage, semi-conductor, process filtration, pharmaceutical, petrochemical, wastewater treatment, wood manufacturing, desalination, and aquaculture markets. We protect the air we collectively breathe, maintain clean and safe operations for employees, lower energy consumption, minimize waste for customers, and ensure they meet regulatory compliance standards for toxic emissions,

fumes, volatile organic compounds and odors through our platforms including duct & installation, industrial air, and fluid handling.

(table only in thousands)		2021		2020		2019
Net Sales (less intra-, inter-segment sales)						
Engineered Systems segment	\$	186,926	\$	205,494	\$	210,319
Industrial Process Solutions segment		137,214		110,517		131,550
Net sales	\$	324,140	\$	316,011	\$	341,869
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(table only in thousands)	2021	2020	2019
Income from Operations			
Engineered Systems segment	\$ 25,770	\$ 34,170	\$ 33,886
Industrial Process Solutions segment	15,054	7,220	11,237
Corporate and Other (1)	 (30,967)	 (28,044)	(27,133)
Income from operations	\$ 9,857	\$ 13,346	\$ 17,990

(1) Includes corporate compensation, professional services, information technology, acquisition and integration expenses, and other general, administrative corporate expenses and loss on divestitures.

(table only in thousands)	 2021	2020	2019
Property and Equipment Additions			
Engineered Systems segment	\$ 100	\$ 550	\$ 434
Industrial Process Solutions segment	721	1,349	3,641
Corporate and Other	1,795	2,046	1,580
Property and equipment additions	\$ 2,616	\$ 3,945	\$ 5,655

(table only in thousands)	 2021	 2020	2019
Depreciation and Amortization			
Engineered Systems segment	\$ 4,249	\$ 4,957	\$ 6,084
Industrial Process Solutions segment	4,299	4,199	4,115
Corporate and Other	 1,305	765	 410
Depreciation and amortization	\$ 9,853	\$ 9,921	\$ 10,609

	I	ecember 3	er 31,				
(table only in thousands)	2021		2020				
Identifiable Assets							
Engineered Systems segment	\$ 262,	558 \$	270,573				
Industrial Process Solutions segment	141,	975	135,204				
Corporate and Other (2)	11,	564	13,537				
Identifiable assets	\$ 416,	197 \$	419,314				

(2) Corporate assets primarily consist of cash and income tax related assets.

(table only in thousands)	 December 3									
	2021		2020							
Goodwill										
Engineered Systems segment	\$ 99,303	\$	99,785							
Industrial Process Solutions segment	 61,880		62,035							
Goodwill	\$ 161,183	\$	161,820							

### **Intra-segment and Inter-segment Revenues**

The Company has divisions that sell to each other within segments (intra-segment sales) and between segments (inter-segment sales) as indicated in the following tables:

	 Year Ended December 31, 2021										
					Less Inter-S	Seg	ment Sales		_		
(table only in thousands)	 Total Sales	Int	tra-Segment Sales		Industrial Process Solutions		Engineered Systems		et Sales to Outside Customers		
Net Sales											
Engineered Systems segment	\$ 197,380	\$	(9,483)	\$	(971)	\$		\$	186,926		
Industrial Process Solutions segment	152,886		(14,533)		<u> </u>		(1,139)		137,214		
Net Sales	\$ 350,266	\$	(24,016)	\$	(971)	\$	(1,139)	\$	324,140		

	Year Ended December 31, 2020										
						Less Inter-	Segm	ient Sales			
						Industrial			N	let Sales to	
			Int	ra-Segment		Process	F	Ingineered		Outside	
(table only in thousands)		Total Sales		Sales	_	Solutions		Systems	(	Customers	
Net Sales											
Engineered Systems segment	\$	218,290	\$	(11,333)	\$	(1,463)	\$	_	\$	205,494	
Industrial Process Solutions segment		124,547		(12,798)		_		(1,232)		110,517	
Net Sales	\$	342,837	\$	(24,131)	\$	(1,463)	\$	(1,232)	\$	316,011	

Year Ended December 31, 2019										
					Less Inter-S	Segi	ment Sales			
					Industrial			_ [	Net Sales to	
Intra-Segment			Process	Engineered		Outside				
T	otal Sales		Sales		Solutions		Systems		Customers	
\$	217,359	\$	(6,650)	\$	(390)	\$		\$	210,319	
	143,086		(9,859)		<u>—</u>		(1,677)		131,550	
\$	360,445	\$	(16,509)	\$	(390)	\$	(1,677)	\$	341,869	
	\$ \$	143,086	* 217,359 *	Total Sales         Intra-Segment Sales           \$ 217,359         \$ (6,650)           143,086         (9,859)	Total Sales         Intra-Segment Sales           \$ 217,359         \$ (6,650)           143,086         (9,859)	Total Sales   Intra-Segment   Sales   Industrial   Process   Solutions	Less Inter-Segindustrial   Process   Solutions	Total Sales         Intra-Segment Sales         Process Solutions         Engineered Systems           \$ 217,359         \$ (6,650)         \$ (390)         \$ —           143,086         (9,859)         —         (1,677)	Less Inter-Segment Sales   Industrial   Process   Engineered   Solutions   Systems	

No single customer represented greater than 10% of consolidated net sales or accounts receivable for 2021, 2020, or 2019.

For 2021, 2020, and 2019, sales to customers outside the United States, including export sales, accounted for approximately 38%, 35%, and 30%, respectively, of consolidated net sales. The largest portion of export sales in 2021 was destined for Asia (16.0%), and Europe (10.3%). Of consolidated long-lived assets, \$26.7 million and \$29.0 million were located outside of the United States as of December 31, 2021 and 2020, respectively. The largest portion of long-lived assets located outside the United States at December 31, 2021 were in Europe (\$23.1 million).

# 17. Subsequent Events

On March 7, 2022, the Company completed the acquisition of General Rubber, LLC ("GRC") through its Effox-Flextor-Mador ("EFM") joint venture. GRC is a worldwide leader in the engineering and manufacturing of non-metallic (rubber) expansion joints and flow control products with a highly diversified industrial customer base. This acquisition advances the Company further into the water, storm water and wastewater markets, which we plan to help deliver turnkey, environmentally friendly solutions that protect critical infrastructure, piping, and flow controls for these markets. The purchase price is approximately \$24.0 million and financed using debt, cash and equity from EFM. The impact of this acquisition is not included in our results for the year ended December 31, 2021. The initial accounting for the acquisition was not complete at the time the financial statements were issued due to the timing of the acquisition and the filing of this Annual Report on Form 10-K. As a result, complete disclosures required under ASC 805, Business Combinations cannot be made at this time.

# **Supplementary Non-GAAP Financial Measures**

(dollars in millions)	Ann	ual 2019	Ann	ual 2020	Annı	ual 2021
Net income as reported in accordance with GAAP	\$	17.7	\$	8.2	\$	1.4
Amortization	\$	8.5	\$	7.4	\$	6.7
Earnout expenses	\$	_	\$	1.4	\$	1.1
Restructuring expenses	\$	1.1	\$	2.3	\$	0.6
Acquisition and integration expenses	\$	0.5	\$	1.4	\$	0.8
Executive transition expenses	\$	_	\$	1.5	\$	_
Loss on divestitures, net of selling costs	\$	0.1	\$	_	\$	_
Intangible asset impairment	\$	_	\$	0.9	\$	_
Deferred financing fee adjustment	\$	0.4	\$	_	\$	_
Foreign currency remeasurement	\$	(0.5)	\$	0.3	\$	2.0
Tax expense (benefit) of adjustments	\$	(2.5)	\$	(3.9)	\$	(2.8)
Zhongli tax benefit	\$	(4.4)	\$	_	\$	_
Non-GAAP net income	\$	20.9	\$	19.5	\$	9.8
Depreciation	\$	2.1	\$	2.5	\$	3.2
Non-cash stock compensation	\$	2.8	\$	2.0	\$	3.3
Other (income) expense, net	\$	(0.3)	\$	(2.3)	\$	0.2
Interest expense	\$	5.0	\$	3.5	\$	3.0
Income tax expense	\$	2.5	\$	7.6	\$	5.5
Adjusted EBITDA	\$	33.0	\$	32.8	\$	25.0
Adjusted EBITDA margin		9.7%		10.4%		7.7%
(dollars in millions)	Ann	ual 2019	Ann	ual 2020 Annual 2		ual 2021
Net cash provided by operating activities	\$	10.2	\$	4.4	\$	13.3
Add: earnouts classified as operating	\$	_	\$	_	\$	0.6
Capital expenditures	\$	(5.6)	\$	(3.9)	\$	(2.6)
Free cash flow	\$	4.6	\$	0.5	\$	11.3

# **CORPORATE INFORMATION**

### **BOARD OF DIRECTORS**

# Jason DeZwirek

Chairman

### **Todd Gleason**

Chief Executive Officer

### Eric M. Goldberg

Principal

GKK Capital

### David B. Liner

Former General Counsel, Corporate Secretary and Chief Compliance Officer Roper Technologies, Inc.

### Claudio A. Mannarino

President Sette CS Inc.

# Munish Nanda

President, Americas & Europe Watts Water Technologies, Inc.

### **Jonathan Pollack**

President

The JMP Group

### **Valerie Gentile Sachs**

Former Vice President, General Counsel and Corporate Secretary OM Group, Inc.

# Richard F. Wallman

Former Senior Vice President and Chief Financial Officer, Honeywell International, Inc.

# **EXECUTIVE OFFICERS**

## **Todd Gleason**

Chief Executive Officer

# **Matthew Eckl**

Chief Financial Officer

### Ramesh Nuggihalli

**Chief Operating Officer** 

### Paul Gohr

**Chief Accounting Officer** 

# **CORPORATE INFORMATION**

### **Annual Meeting**

CECO Environmental Corp.'s Annual Meeting of Stockholders at 8:00 a.m. Central Time on Wednesday, June 8, 2022 to be held solely through virtual participation via webcast at: www.virtualshareholdermeeting.com/CECE2022

### **Common Stock**

The Common Stock of CECO Environmental Corp. is traded on the Nasdaq Global Select Market under the symbol ["CECE"]

### **Corporate Office**

14651 N. Dallas Parkway, Suite 500 Dallas, Texas 75254

# **Registered Public Accounting Firm**

BDO USA, LLP Cincinnati. Ohio

### **Corporate Counsel**

Jones Day New York, New York

## **Transfer Agent and Registrar**

Broadridge Corporate Issuer Solutions, Inc. Brentwood, New York





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