



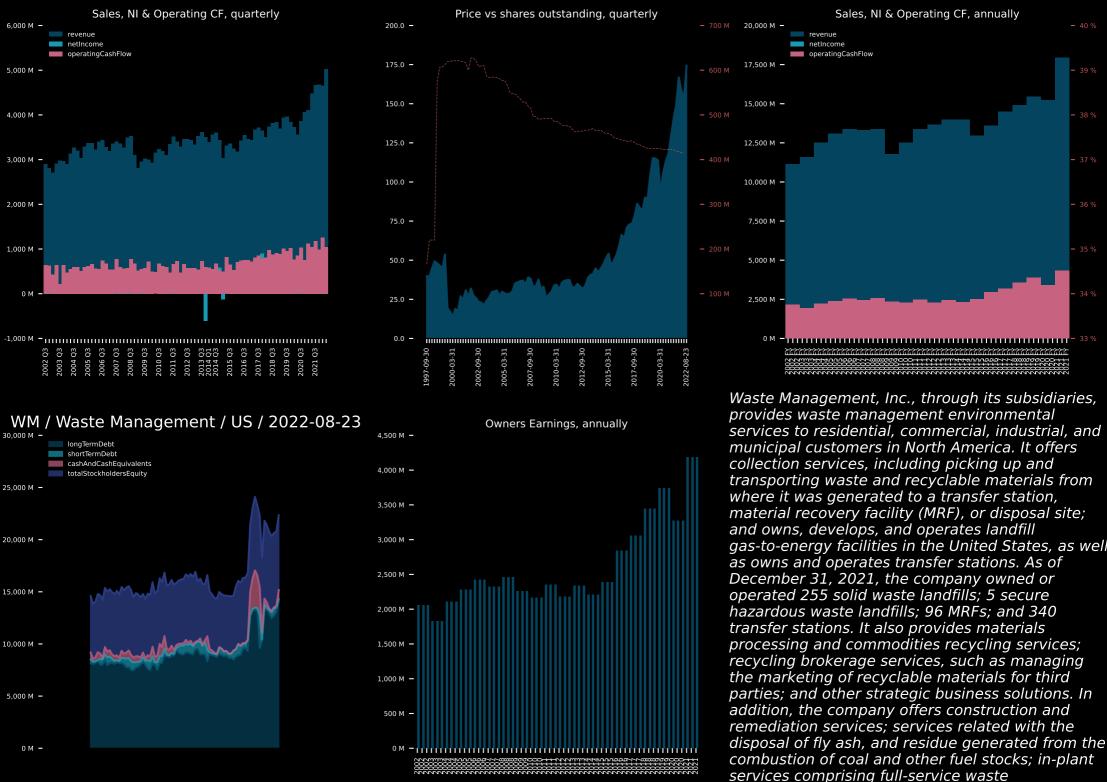
20 000 M -

17.500 M -

15,000 M ·

12,500 M

netIncome





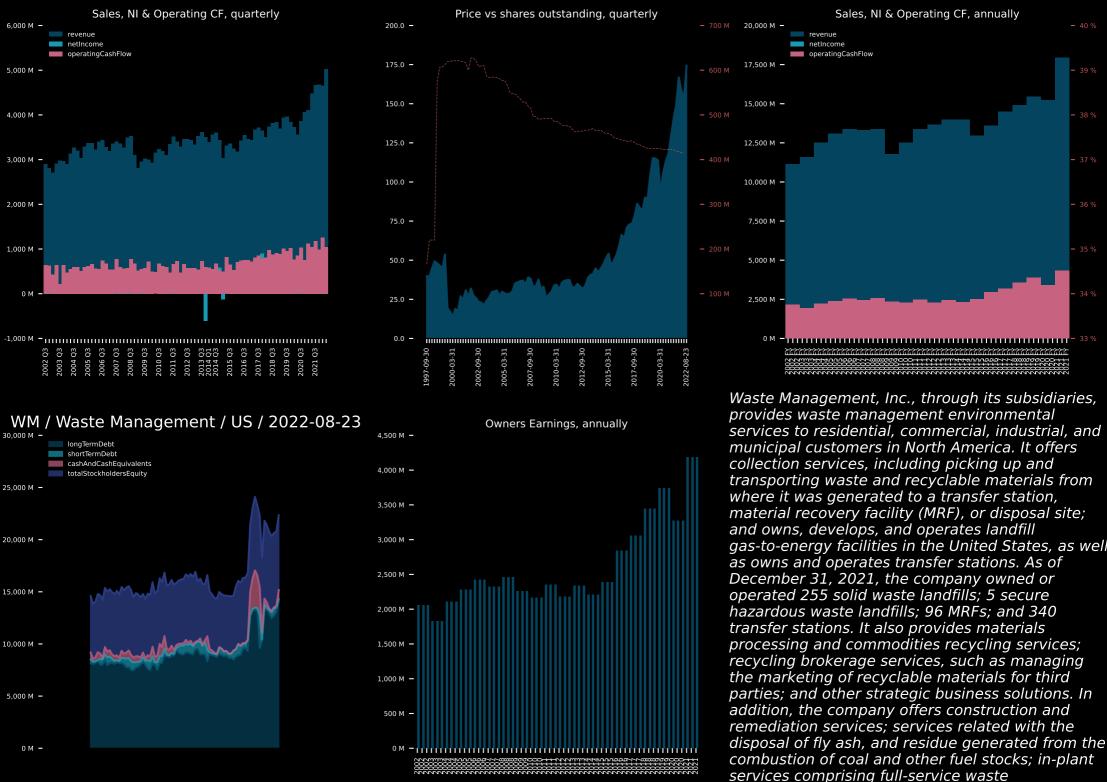
20 000 M -

17.500 M -

15,000 M ·

12,500 M

netIncome





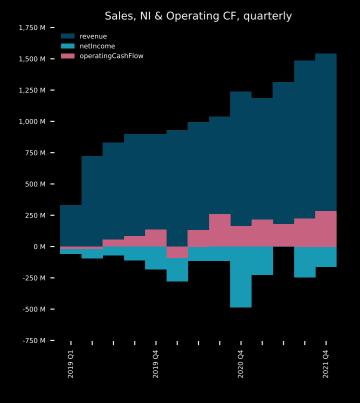
20 000 M -

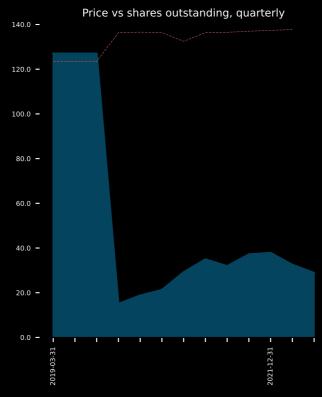
17.500 M -

15,000 M ·

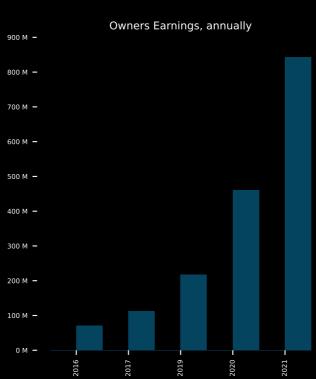
12,500 M

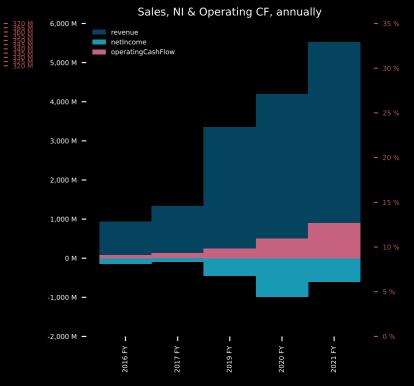
netIncome



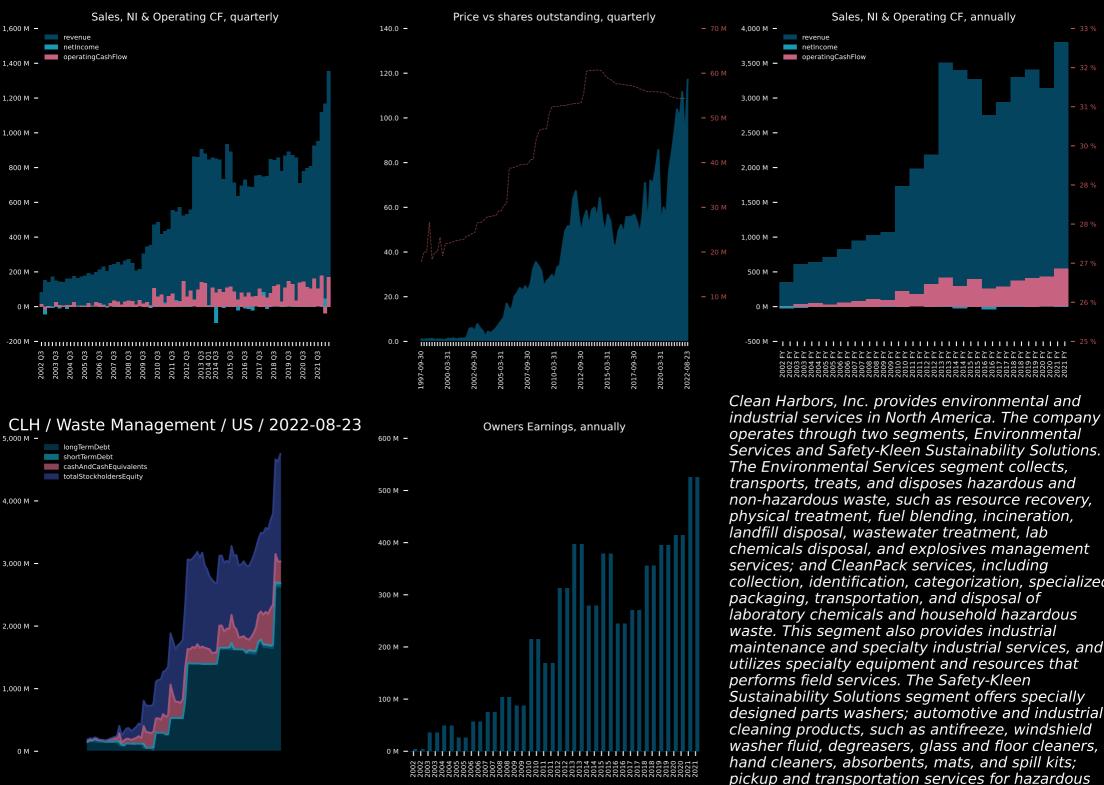


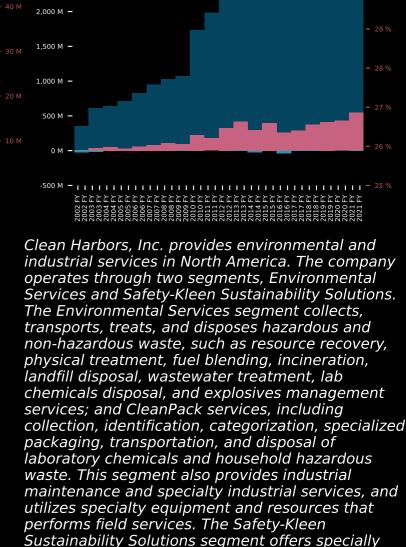






GFL Environmental Inc. operates as a diversified environmental services company in Canada and the United States. The company offers non-hazardous solid waste management, infrastructure and soil remediation, and liquid waste management services. Its solid waste management business line includes the collection, transportation, transfer, recycling, and disposal of non-hazardous solid waste for municipal, residential, and commercial and industrial customers. The company's infrastructure and soil remediation business line provides remediation of contaminated soils, as well as complementary services, including civil, demolition, and excavation and shoring services. Its liquid waste management business collects, manages, transports, processes, and disposes of a range of industrial and commercial liquid wastes, as well as resells liquid waste products. The company was incorporated in 2007 and is headquartered in Vaughan, Canada.



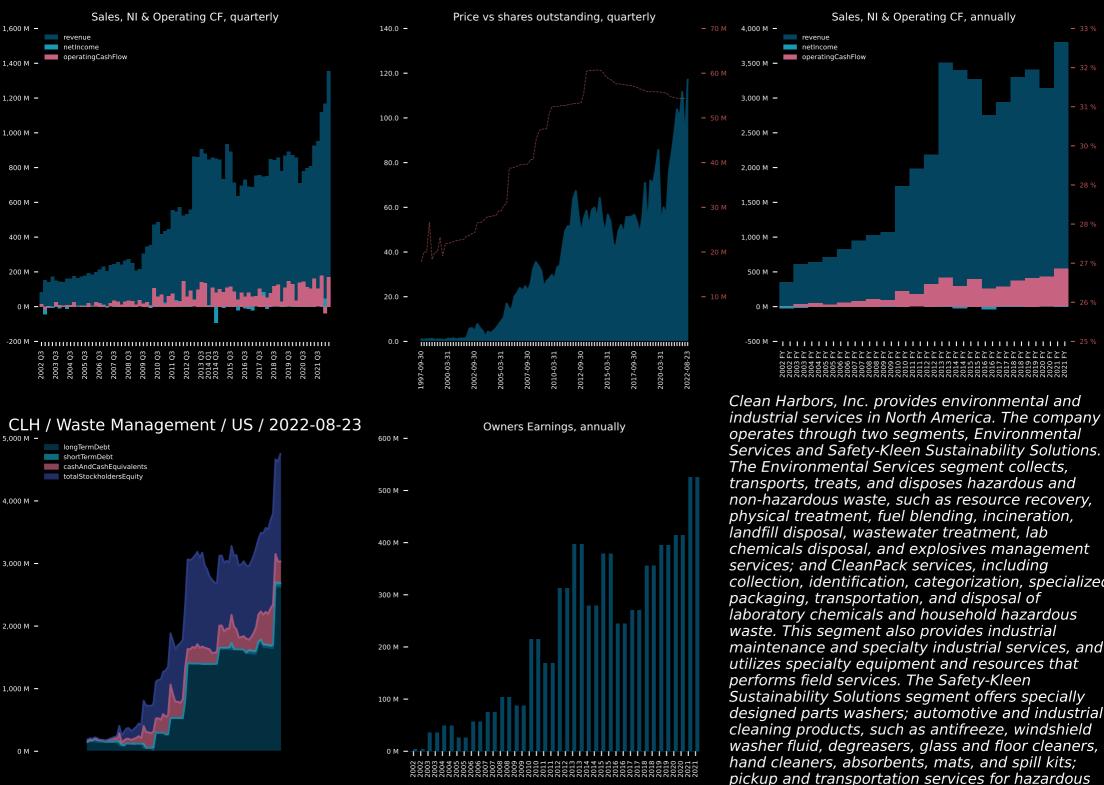


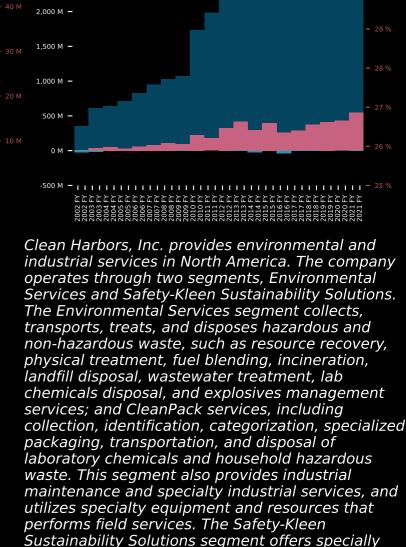
4 000 M -

3,000 M -

2,500 M -

netIncome



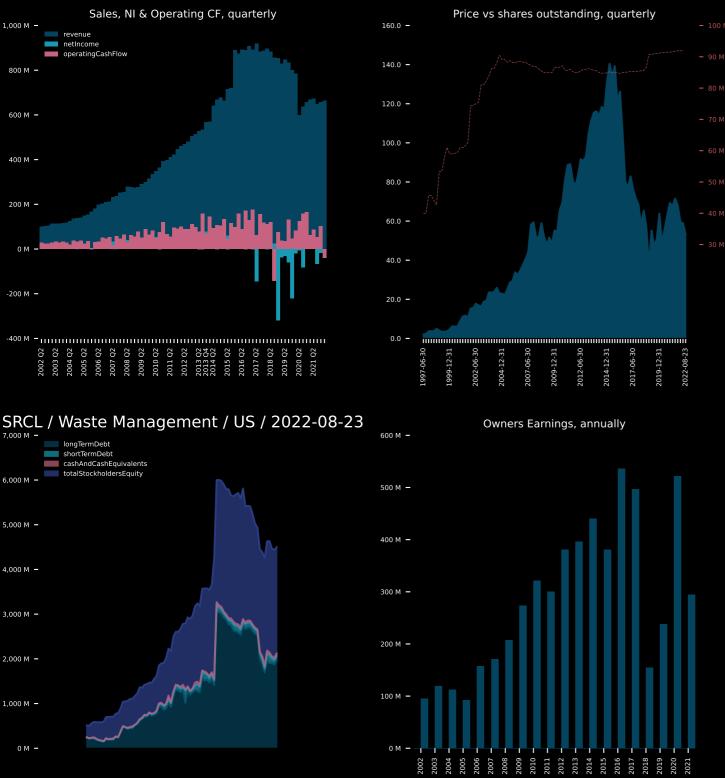


4 000 M -

3,000 M -

2,500 M -

netIncome





and integrated delivery networks. The company serves healthcare businesses, including hospitals,

physician and dental practices, outpatient clinics,

manufacturers; financial and professional service

long-term care facilities, etc.; retailers and

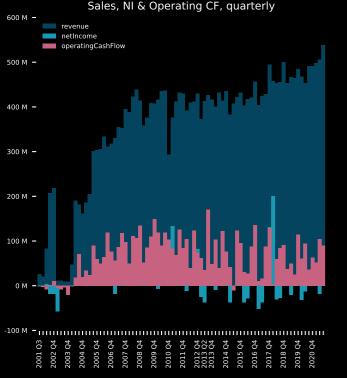
providers; governmental entities; and other businesses. Stericycle, Inc. was incorporated in

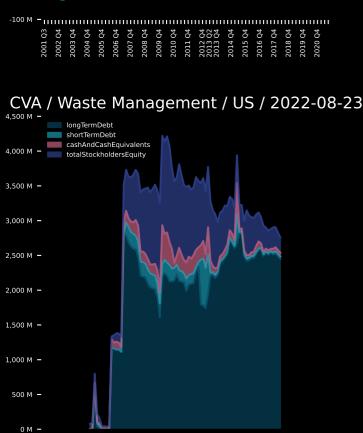
Sales, NI & Operating CF, annually

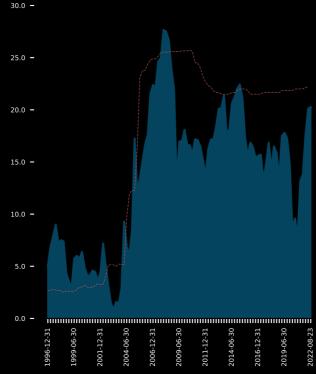
4 000 M -

3,000 M -

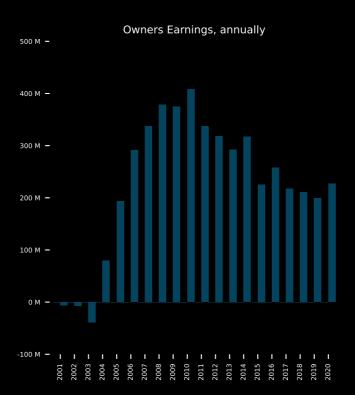
netIncome

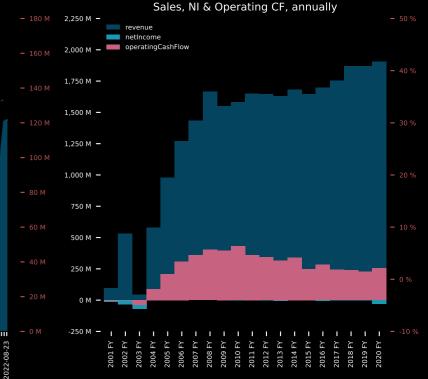




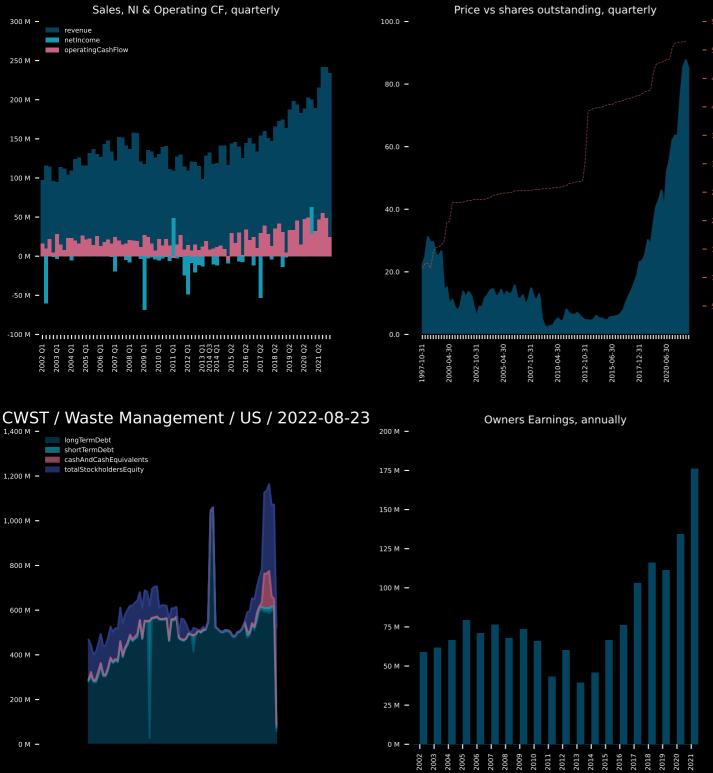


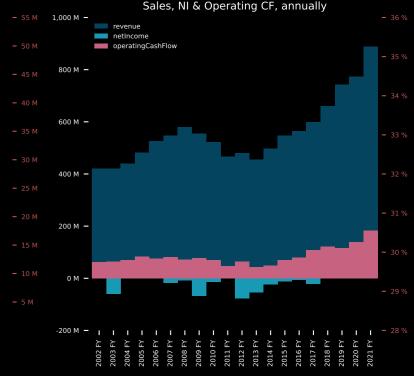
Price vs shares outstanding, quarterly



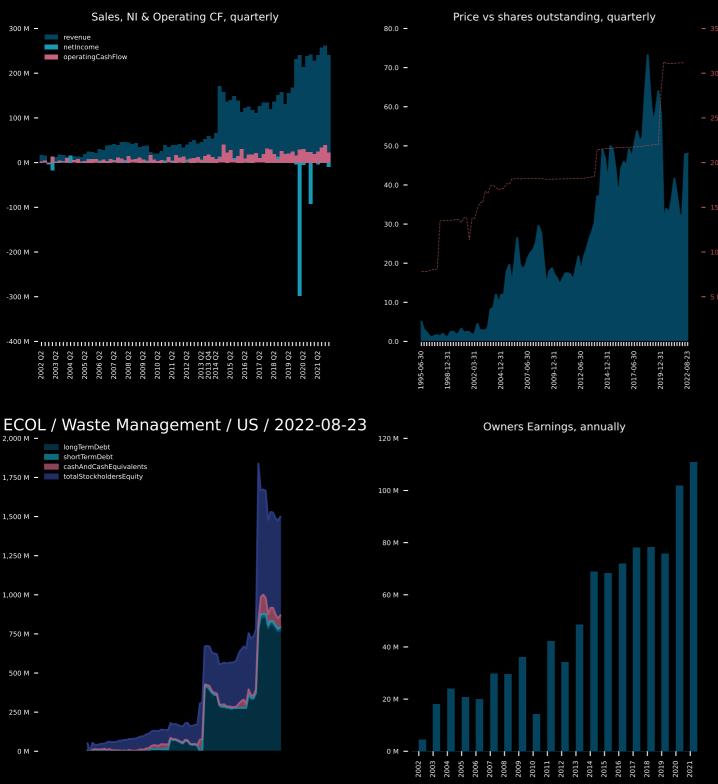


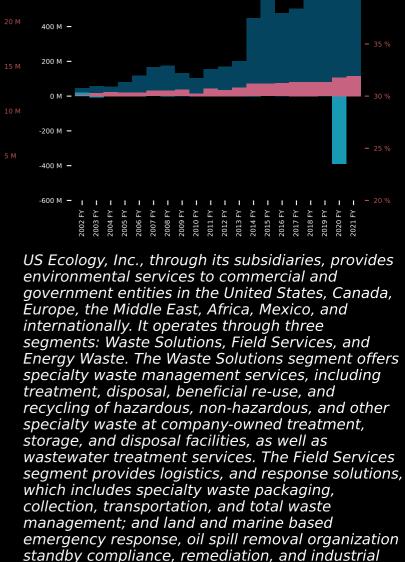
Covanta Holding Corporation, through its subsidiaries, provides waste and energy services to municipal entities primarily in the United States and Canada. It owns and operates infrastructure for the conversion of waste to energy, as well as engages in related waste transport and disposal, and other renewable energy production businesses. The company disposes waste and generates electricity and/or steam; sells metal recovered during the energy-from-waste (EfW) process; and offers waste management solutions, such as site clean-up, wastewater treatment, pharmaceutical and healthcare solutions, reverse distribution, transportation and logistics, recycling, and depackaging. As of December 31, 2019, it owned and operated 41 EfW operations, 14 transfer stations, 20 material processing facilities, four landfills, two wood waste energy projects, one regional metals recycling facility, and one ash processing facility. Covanta Holding Corporation has a strategic partnership with the Green Investment Group Limited to develop EfW projects in Ireland and the United Kingdom. The company was formerly known as Danielson Holding





Casella Waste Systems, Inc., together with its subsidiaries, operates as a vertically integrated solid waste services company in the northeastern United States. It offers resource management services primarily in the areas of solid waste collection and disposal, transfer, recycling, and organics services to residential, commercial, municipal, institutional, and industrial customers. The company provides a range of non-hazardous solid waste services, including collections, transfer stations, and disposal facilities. It also markets recyclable metals, aluminum, plastics, and paper and corrugated cardboard that are processed at its facilities, as well as recyclables purchased from third parties. In addition, the company is involved in commodity brokerage operations. As of January 31, 2022, it owned and/or operated 50 solid waste collection operations, 65 transfer stations, 23 recycling facilities, 8 Subtitle D landfills, 3 landfill gas-to-energy facilities, and 1 landfill permitted to accept construction and demolition materials. Casella Waste Systems, Inc. was founded in 1975 and is headquartered in Rutland, Vermont.





services. The Energy Waste segment offers energy

waste management and critical support services to

up-stream oil and gas customers. Its services

include spill containment and site remediation; equipment cleaning and maintenance; specialty

Sales, NI & Operating CF, annually

1.200 M -

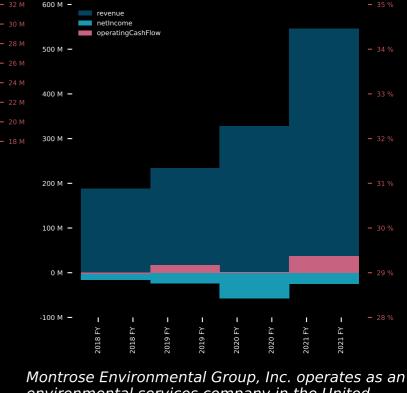
1.000 M -

800 M -

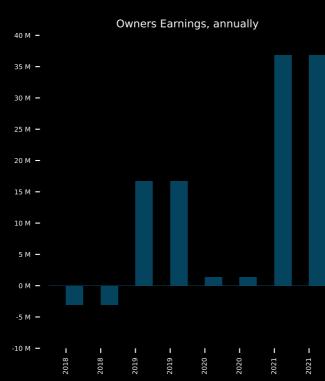
600 M -

netIncome



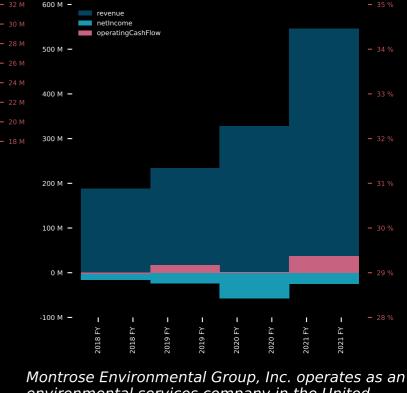




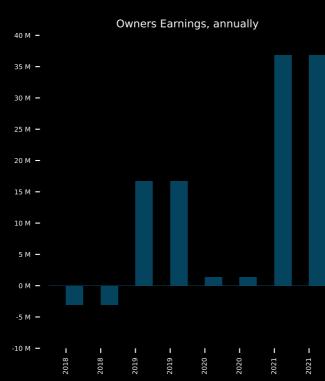


environmental services company in the United States. The company operates in three segments: Assessment, Permitting and Response; Measurement and Analysis; and Remediation and Reuse. The Assessment, Permitting and Response segment provides scientific advisory and consulting services to support environmental assessments, environmental emergency response and recovery, toxicology consulting and environmental audits and permits for current operations, facility upgrades, new projects, decommissioning projects, and development projects. Its technical advisory and consulting services include regulatory compliance support and planning, environmental, and ecosystem and toxicological assessments and support during responses to environmental disruptions. The Measurement and Analysis segment tests and analyzes air, water, and soil to determine concentrations of contaminants, as well as the toxicological impact of contaminants on flora, fauna, and human health. Its services include source and ambient air testing and monitoring,

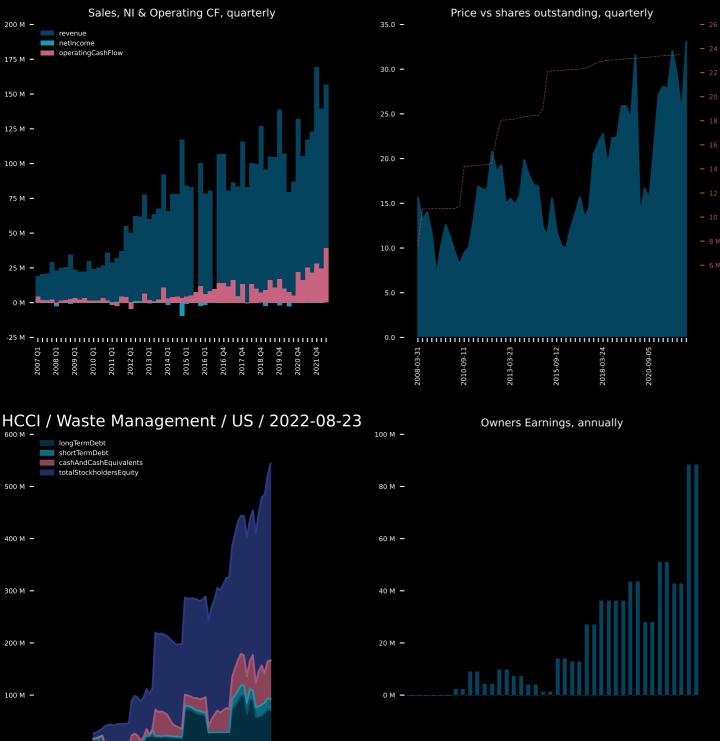








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base oil and other products. The company also

Heritage-Crystal Clean, Inc. was incorporated in 2007 and is headquartered in Elgin, Illinois.

collects and disposes wastewater. As of January 1, 2022, it operated through 91 branches serving approximately 95,000 customer locations.

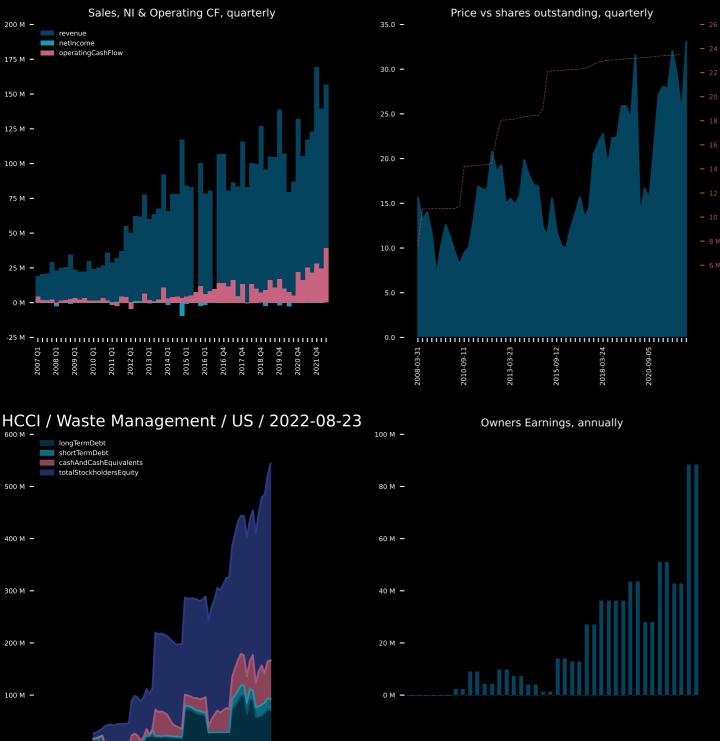
Sales, NI & Operating CF, annually

600 M -

500 M -

400 M -

<u>netIncome</u>





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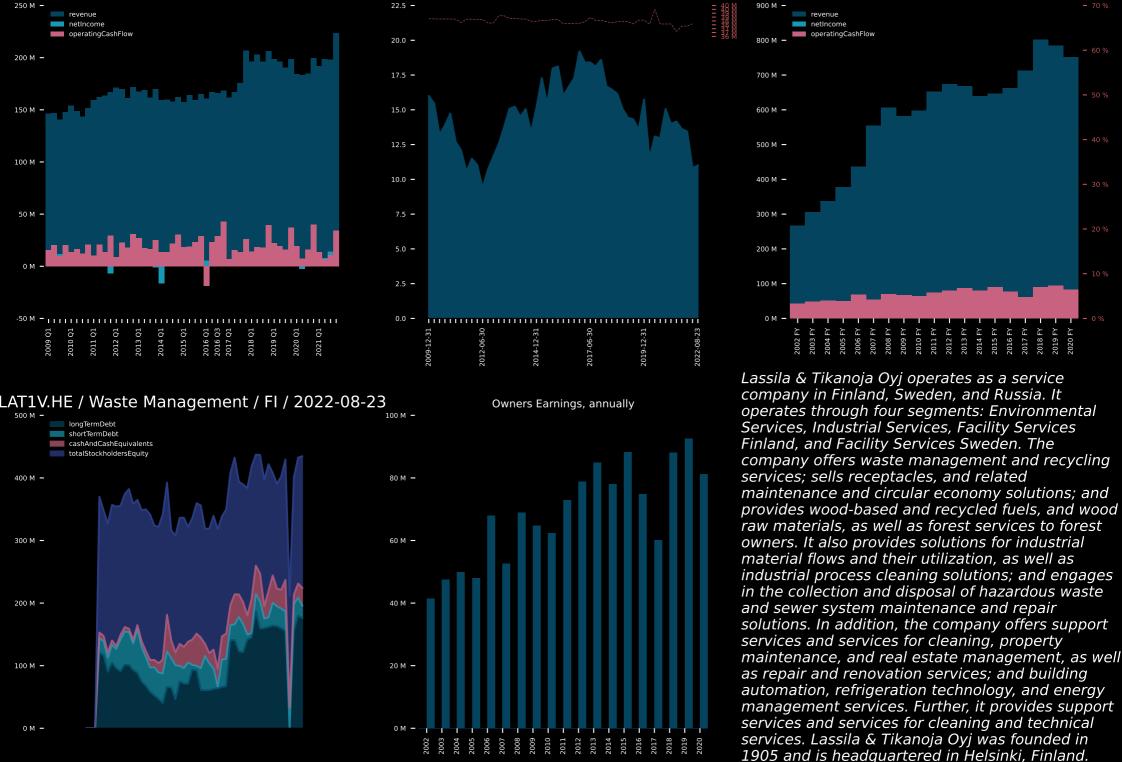
Sales, NI & Operating CF, annually

600 M -

500 M -

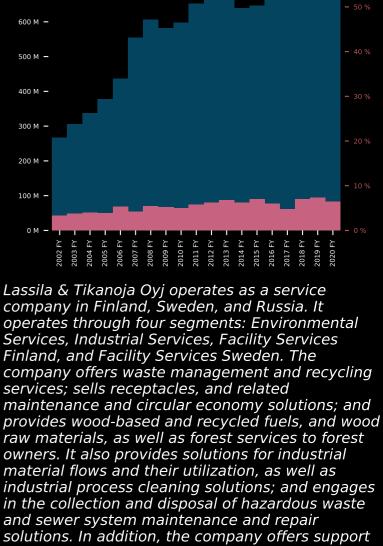
400 M -

<u>netIncome</u>

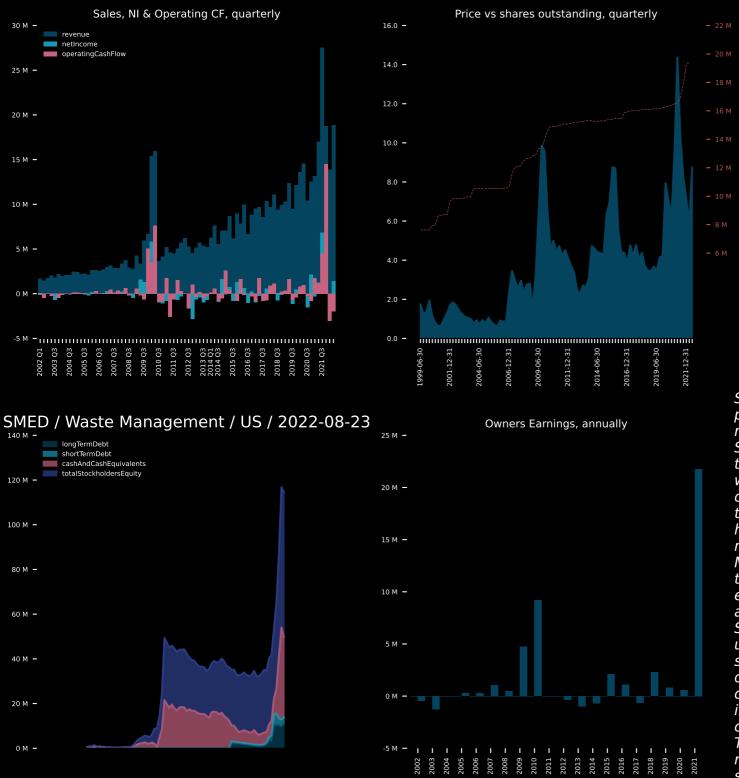


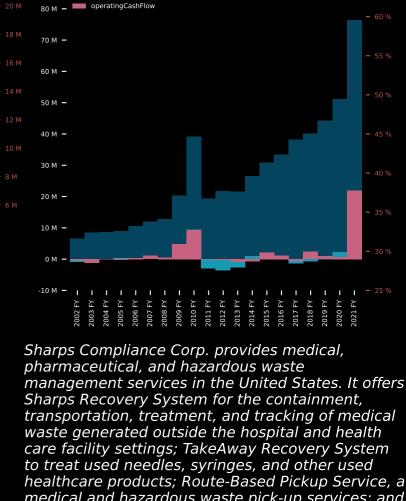
Price vs shares outstanding, quarterly

Sales, NI & Operating CF, quarterly



Sales, NI & Operating CF, annually





netIncome

medical and hazardous waste pick-up services; and MedSafe, a solution for the safe collection, transportation, and disposal of unwanted and expired ultimate-user medications. The company also provides TakeAway Medication Recovery System that facilitates the proper disposal of unused medications; Black Pail Program for Rx, a solution with minimal segregation for the disposal of various pharmaceuticals; Inhaler Disposal to collect, transport, and destroy used pharmaceutical inhalers; Hazardous Drug Spill Control Kit for the cleanup of chemotherapy and other HD spills; TakeAway Recycle System for the collection and recycling of single-use medical devices from surgical centers and other healthcare facilities;



-20 M -

2019

2020

2021

50 M -

0 M -



of landfills and cap and cover systems; conversion of impoundments to landfill sites; quality assurance and control, and documentation; engineered fills

(off-site); and other related services. In addition, the company recycles recurring and contracted

volumes of coal-fired power generation waste

byproducts comprising bottom ash, fly ash, and

Sales, NI & Operating CF, annually

- 22 %

800 M -

700 M -

600 M -

netIncome



0 M

-2 M -

-4 M -

-6 M -

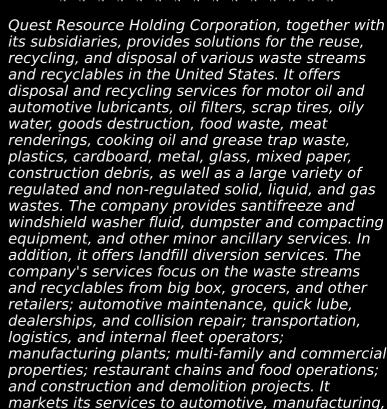
-8 M -

100 M -

80 M -

60 M -

20 M -

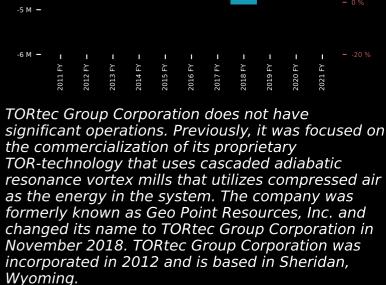




0 M -

0 M -

0 M -



Sales, NI & Operating CF, annually

1 M -

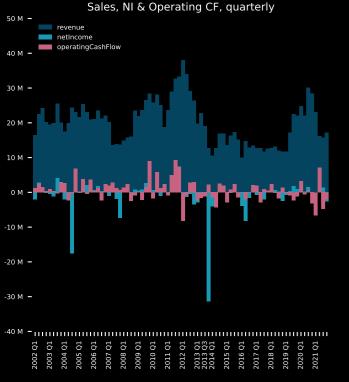
-1 M -

-2 M -

-4 M -

revenue

netIncome



shortTermDebt

100 M -

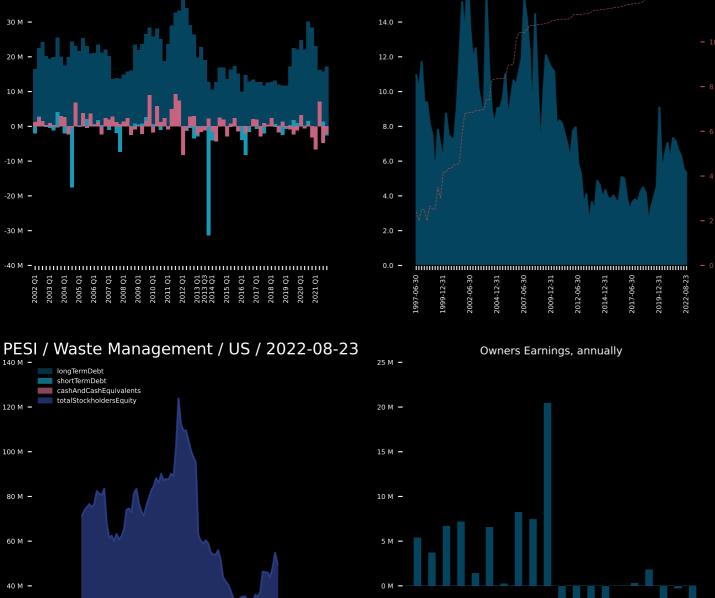
60 M -

40 M -

20 M -

0 M -

cashAndCashEquivalents totalStockholdersEquity



Price vs shares outstanding, quarterly

180 -

16.0 -

-5 M -



Sales, NI & Operating CF, annually

140 M -

100 M -

60 M -

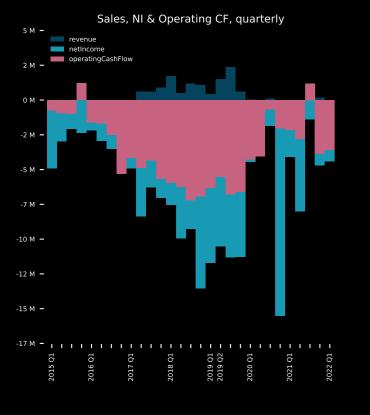
40 M -

20 M -

ом.

-20 M **–**

netIncome



AQMS / Waste Management / US / 2022-08-23

longTermDebt shortTermDebt

100 M -

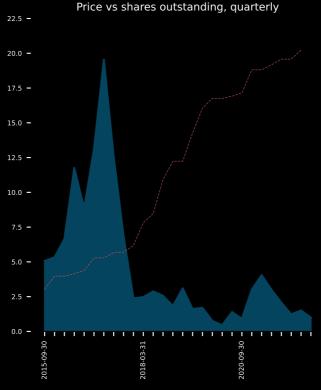
60 M -

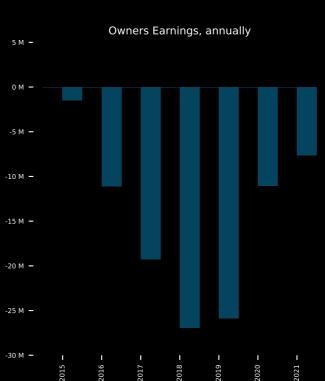
40 M -

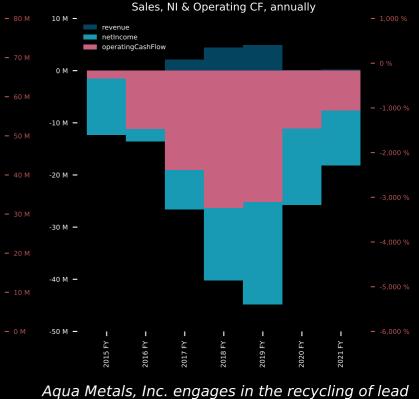
20 M -

0 M -

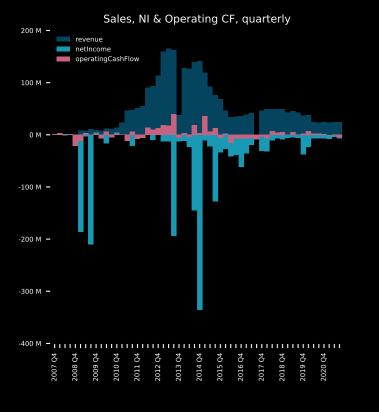
cashAndCashEquivalents totalStockholdersEquity

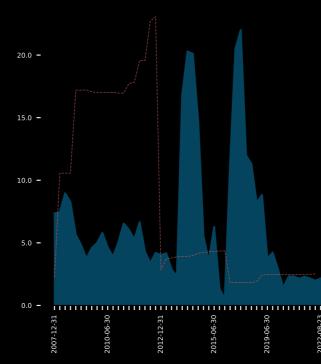






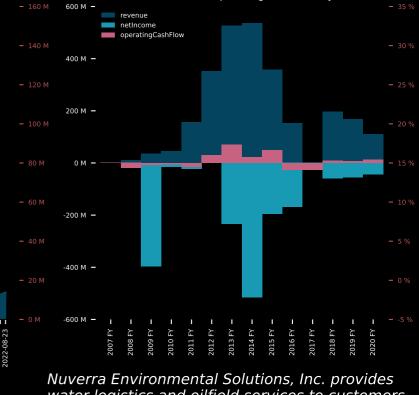
Aqua Metals, Inc. engages in the recycling of lead primarily in the United States. It produces and sells hard lead, lead compounds, and plastics. Aqua Metals, Inc. was incorporated in 2014 and is headquartered in Reno, Nevada.





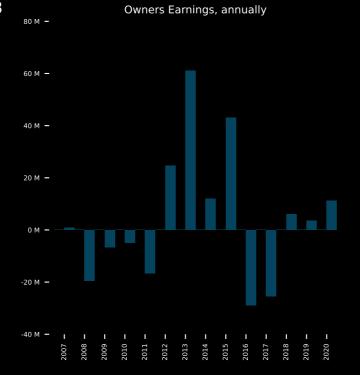
Price vs shares outstanding, quarterly

25.0 -

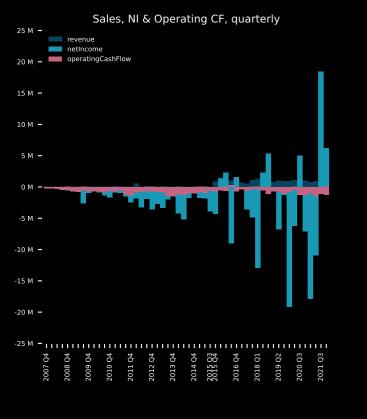


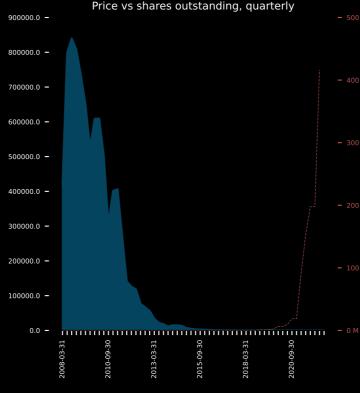
Sales, NI & Operating CF, annually

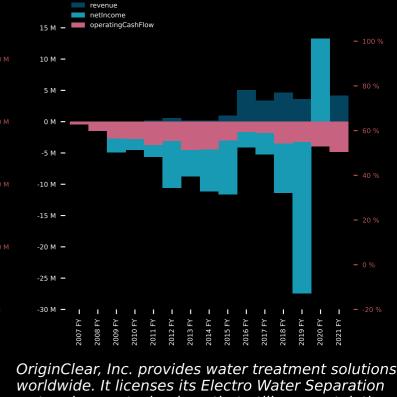




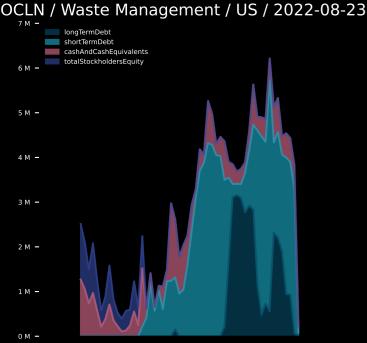
water logistics and oilfield services to customers focused on the development and ongoing production of oil and natural gas from shale formations in the United States. The company provides water transfer, disposal, rental, and other services associated with the drilling, completion, and ongoing production of shale oil and natural gas. It operates through three divisions: the Rocky Mountain, the Northeast, and the Southern. The Rocky Mountain Division manages a fleet of 176 trucks; owns, manages, and leases a network of 20 salt water disposal wells under the Landtech brand names; and maintains and leases rental equipment, including tanks, loaders, manlifts, light towers, winch trucks, and other miscellaneous equipment used in drilling and completion activities to oil and gas operators and others, as well as provides oilfield labor services. The Northeast Division manages a fleet of 177 trucks; owns, manages, and leases a network of 13 salt water disposal wells under the Nuverra, Heckmann, and Clearwater brands; and maintains and leases rental equipment, including tanks and winch trucks

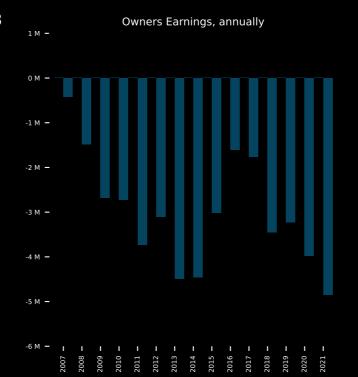




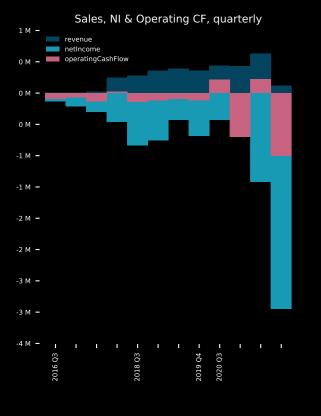


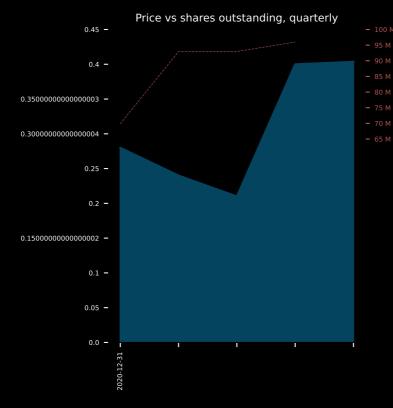
20 M -



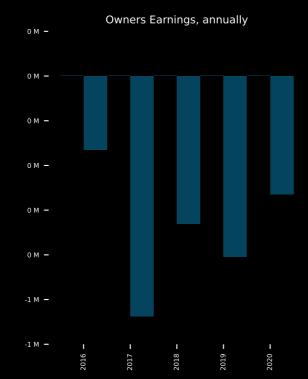


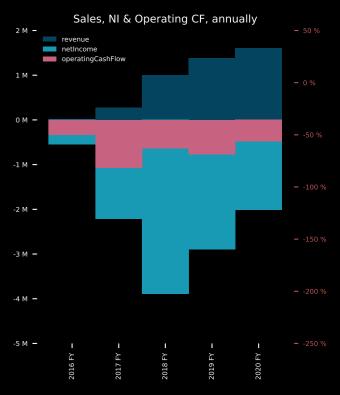
water cleanup technology that utilizes a catalytic process to concentrate and eliminate suspended solids in commercial and industrial wastewater; and Advanced Oxidation technology for reducing or eliminating dissolved organic microtoxins. The company also designs and manufactures a line of water treatment systems for municipal, industrial, and pure water applications. In addition, it offers a range of services, including maintenance contracts, retrofits, and replacement assistance; and rents equipment through contracts of varying duration, as well as provides prefabricated water transport and treatment products. The company was formerly known as OriginOil, Inc. and changed its name to OriginClear, Inc. in April 2015. OriginClear, Inc. was incorporated in 2007 and is headquartered in Clearwater, Florida.



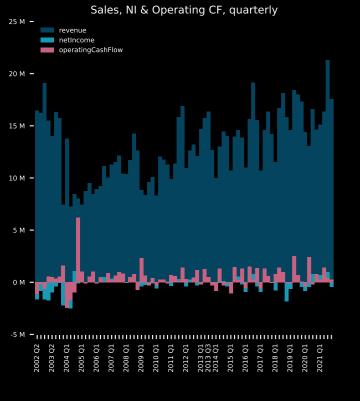




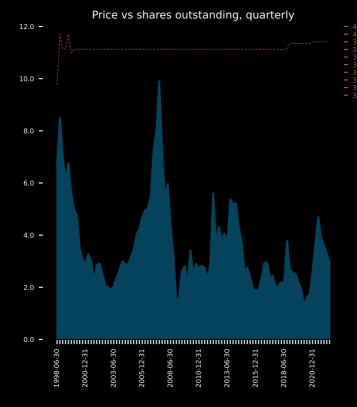


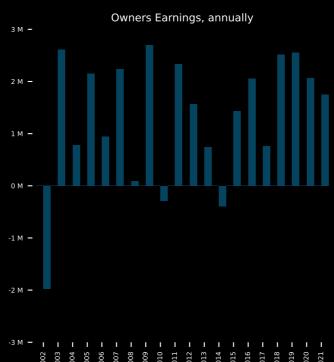


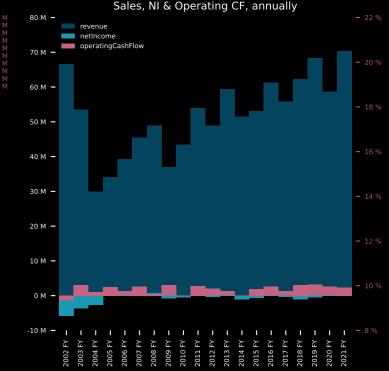
SusGlobal Energy Corp., a renewable energy company, focuses on acquiring, developing, and monetizing a portfolio of proprietary technologies in the waste to energy and regenerative products application. It serves municipalities in rural and urban centers throughout southern and central Ontario, Canada. The company was founded in 2014 and is headquartered in Toronto, Canada.





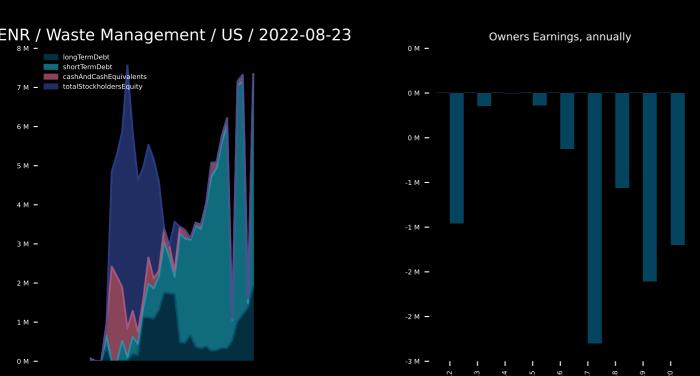






Avalon Holdings Corporation provides waste management services to industrial, commercial, municipal, and governmental customers in the United States. It operates in Waste Management Services, and Golf and Related Operations segments. The Waste Management Services segment offers hazardous and nonhazardous waste disposal brokerage and management services; and captive landfill management services, as well as engages in the salt water injection well operations. This segment also provides turnkey services, including daily operations, facilities management, and management reporting; and sells construction mats. The Golf and Related Operations segment operates and manages four golf courses and related clubhouses, a hotel, and a travel agency. Its golf and country club facilities provide swimming pools, fitness centers, tennis courts, dining, and banquet and conference facilities, as well as spa services. The company also owns and operates hotel under the brand of The Grand Resort, which provides various facilities, such as hotel, indoor and outdoor swimming pool, bath, fitness center, restaurants, bars, cigar lounge, salon and spa,





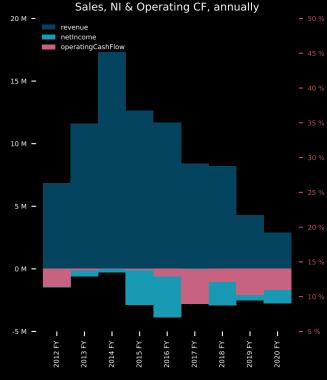
5 M -

4 M -

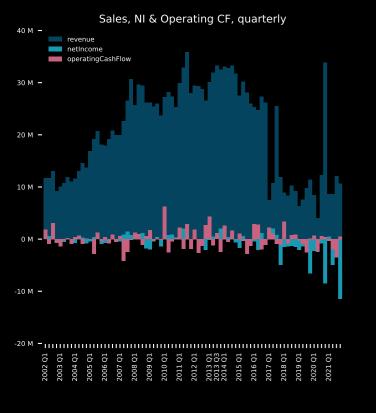
3 M -

1 M -

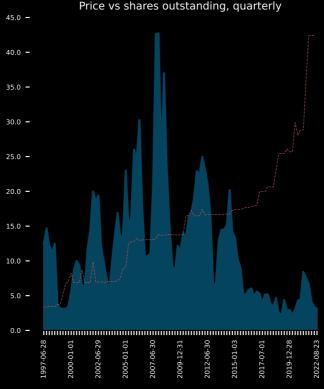
0 M -



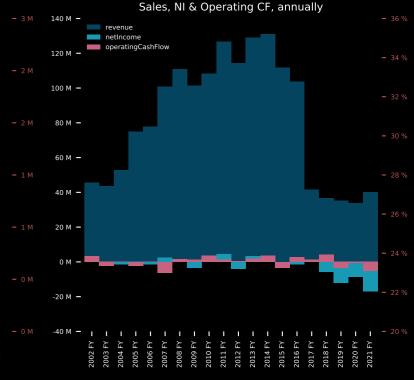
Strategic Environmental & Energy Resources, Inc. provides clean-technologies, waste management, and related services in the United States and internationally. The company operates through two segments, Environmental Solutions and Solid Waste. The company designs and sells H2SPlus and OdorFilter dry scrubber system solutions for management of hydrogen sulfide in biogas, landfill gas, and petroleum processing operations; develops and designs proprietary technologies and systems for conditioning biogas for use as renewable natural gas; and develops waste destruction technology using pyrolytic heating process combined with non-thermal plasma assisted oxidation. In addition, it develops renewable natural gas projects; and chemical absorbents and catalysts that enhance the capability of biogas produced from landfill, wastewater treatment, and agricultural digester operations, as well as offers soil amendment pellets. The company serves companies primarily in the oil and gas refineries, landfills, medical waste destruction operations, agricultural companies, and food and beverage companies, as







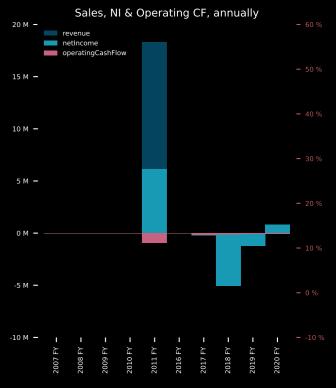




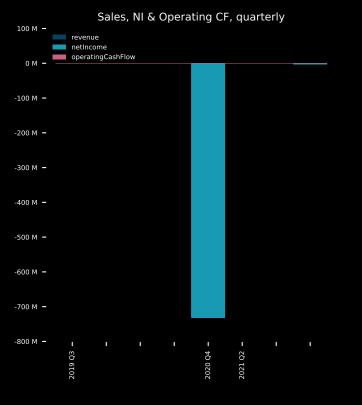
JanOne Inc., a clinical-stage biopharmaceutical company, focuses on identifying, acquiring, licensing, developing, partnering, and commercializing novel, non-opioid, and non-addictive therapies to address the unmet medical need for the treatment of pain and addiction. It operates through three segments: Biotechnology, Recycling, and Technology. The company's lead product candidate is JAN101, a patented oral and sustained release pharmaceutical composition of sodium nitrite that targets poor blood flow to the extremities in patients with diabetes or peripheral artery disease to treat pain. It also provides turnkey appliance recycling and replacement services for utilities and other sponsors of energy efficiency programs; and designs, develops, and sells cellular transceiver modules and associated wireless services. The company was formerly known as Appliance Recycling Centers of America, Inc. and changed its name to JanOne Inc. in September 2019. JanOne Inc. was founded in 1976 and is headquartered in Las Vegas, Nevada.

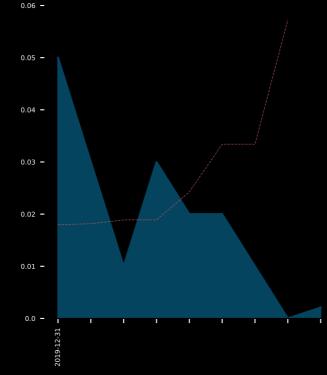






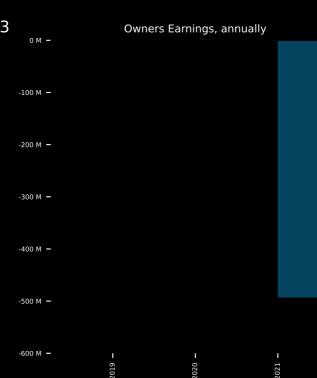
QHY Group provides wastewater treatment solutions in the United States. The company is based in New York, New York.

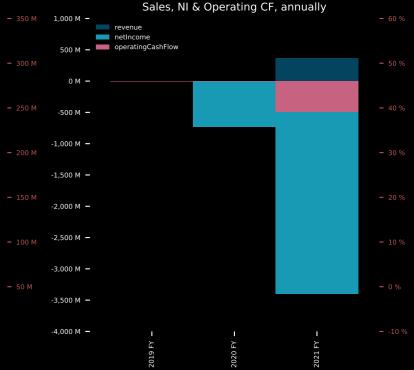




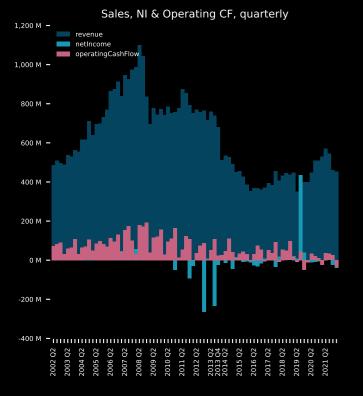
Price vs shares outstanding, quarterly

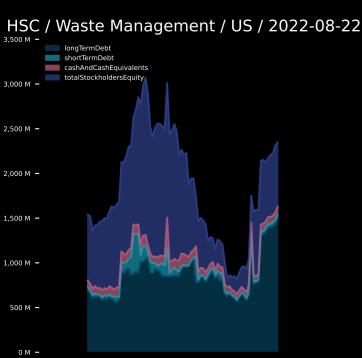


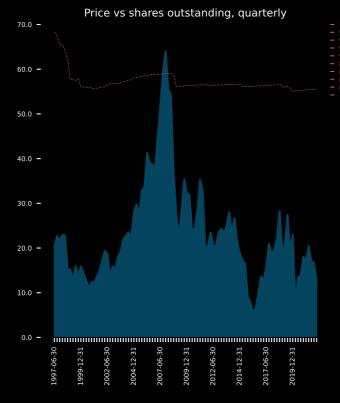


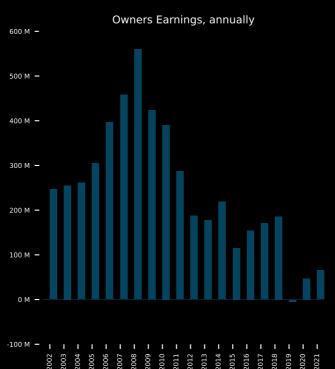


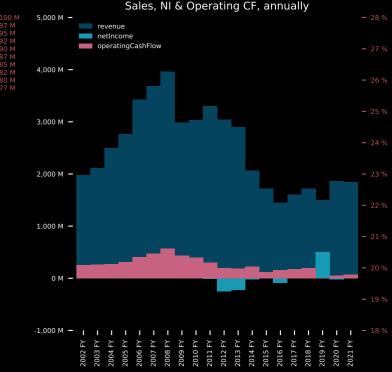
Deep Green Waste & Recycling, Inc. operates as a consolidator and operator of environmental services. The company specializes in waste and recycling companies that manage environmental remediation, abatement, and specialized testing services; and construction and debris removal for commercial, institutional, and residential properties in the south-eastern United States. It serves retail malls and shopping centers, multi-family apartment and townhome communities, hospitals, hotels and restaurants, correctional institutions, and office parks; and residential property management companies, general contractors, construction and demolition companies, and industrial and manufacturing businesses. The company is based in Woodinville, Washington.





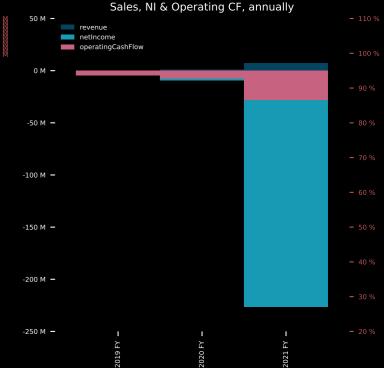




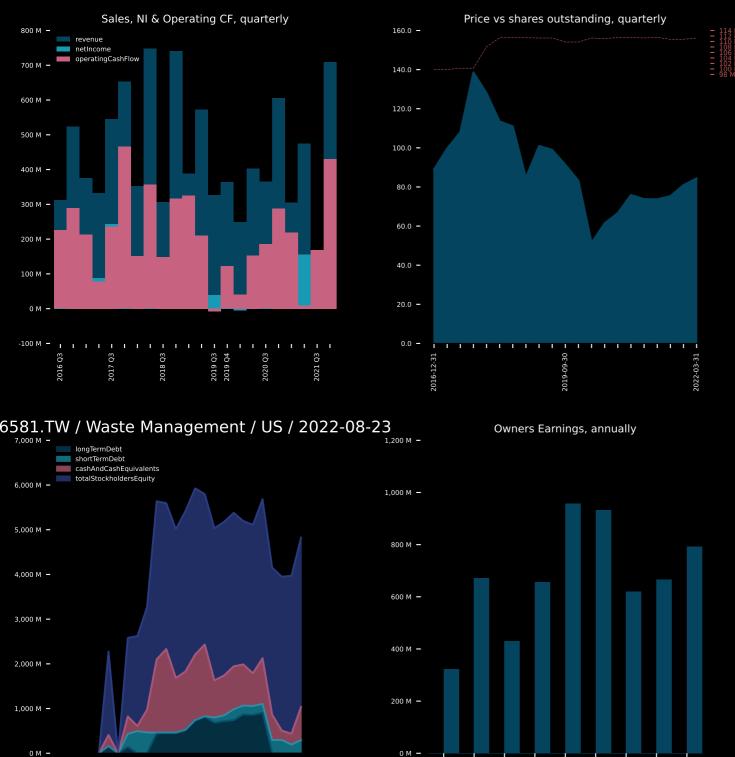


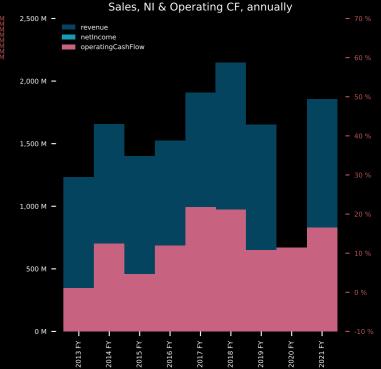
Harsco Corporation provides environmental solutions for industrial and specialty waste streams worldwide. It operates through two segments, Harsco Environmental and Harsco Clean Earth. The Harsco Environmental segment offers on-site services for material logistics, product quality improvement, and resource recovery for iron, steel, and metals manufacturing; manufactures and sells industrial abrasives, roofing granules, aluminum dross, and scrap processing systems; and produces value-added downstream products from industrial waste-stream. The Harsco Clean Earth segment provides waste management services, including transportation, specialty waste processing, and recycling and beneficial reuse solutions for hazardous wastes, and soil and dredged materials. The company was founded in 1853 and is headquartered in Camp Hill, Pennsylvania.



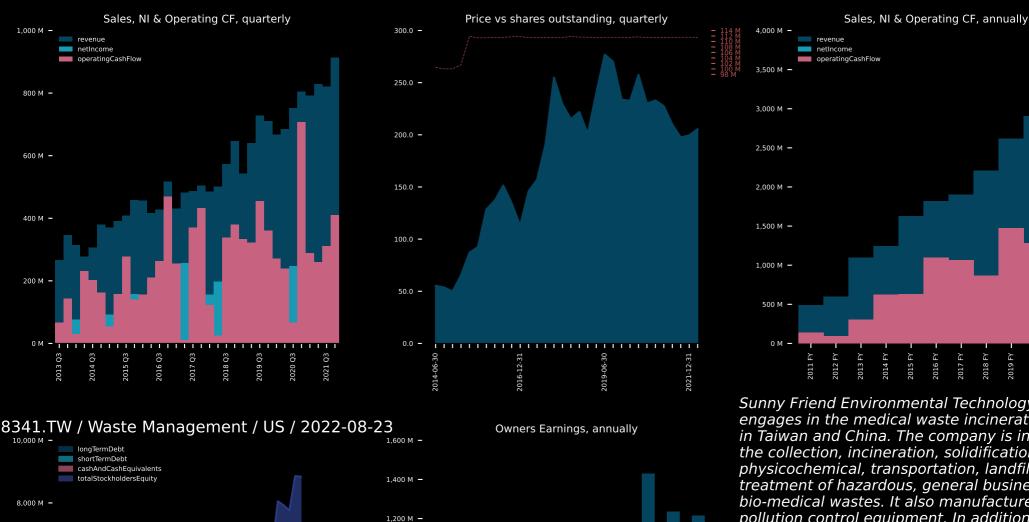


Li-Cycle Holdings Corp. engages in the lithium-ion battery resource recovery and lithium-ion battery recycling business in North America. The company offers a mix of cathode and anode battery materials, including lithium, nickel, and cobalt, as well as graphite, copper, and aluminum; and copper and aluminum metals. It also provides lithium carbonate, cobalt sulphate, nickel sulphate, and manganese carbonate. The company is headquartered in Toronto, Ontario.





Taiwan Steel Union Co., Ltd manufactures and trades in non-ferrous metals, such as zinc oxide and non-metallic mineral products in Taiwan. It also engages in the disposal, treatment, reuse, and sale of general industrial waste and hazardous industrial waste. The company was founded in 1984 and is based in Changhua County, Taiwan.



1,000 M -

800 M -

600 M -

400 M -

200 M -

6,000 M -

4,000 M -

2,000 M -

0 M -





1,000 M -

750 M -

500 M -

250 M -

7,000 M -

6,000 M -

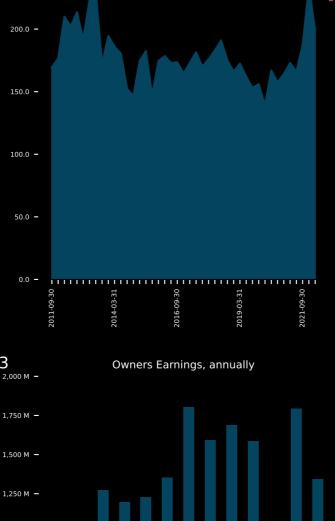
4,000 M -

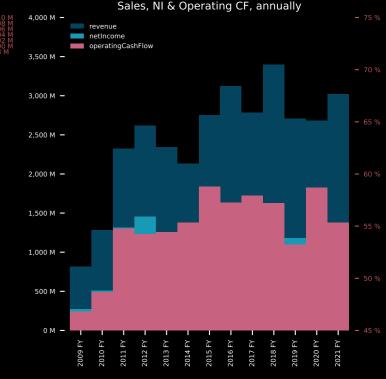
3,000 M -

2.000 M -

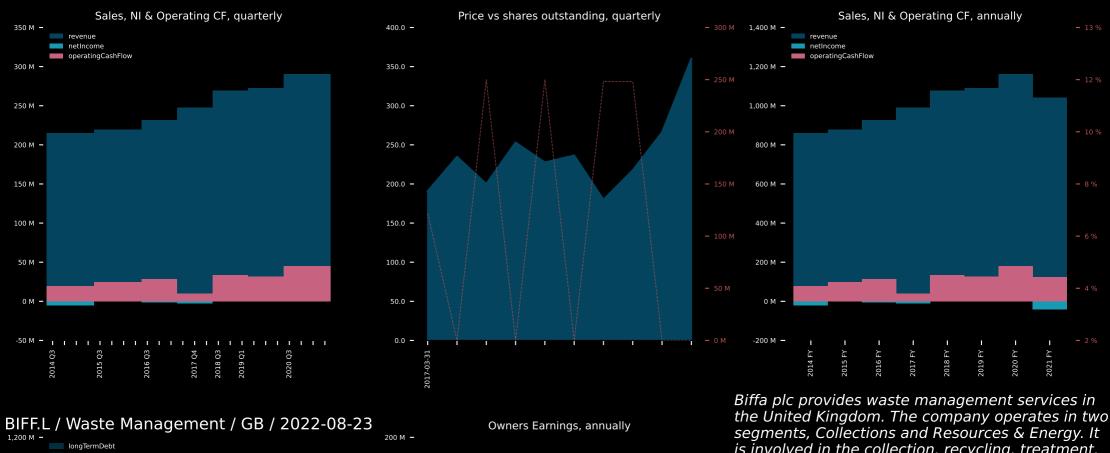
1.000 M -

0 M -

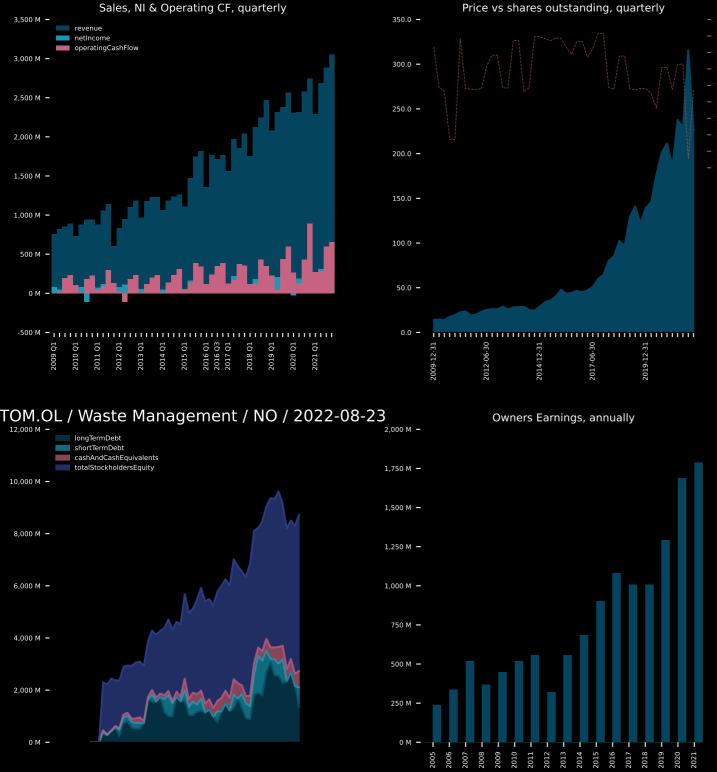


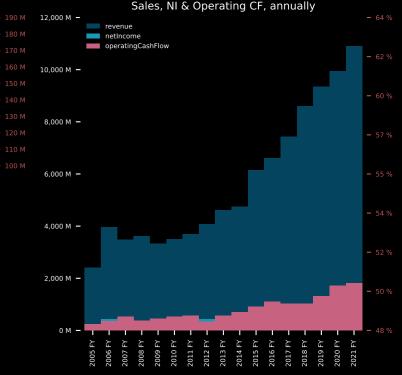


Cleanaway Company Limited operates as an intermediate treatment solidification company within the waste disposal process in Taiwan. It offers waste solidification and excavation, waste landfill, and waste clearing services. The company is also involved in waste disposal, waste clean-up, waste management, general investment, and enterprise management consultation activities. Its principal customers include those in the steel and iron, electronics, optoelectronics, petrochemicals, electroplating, leather processing, metal processing, and tenders of other public and private enterprises. The company was formerly known as Cleanaway Kang Lien Co Ltd. and changed its name to Cleanaway Company Limited in May 2009. Cleanaway Company Limited was founded in 1999 and is headquartered in Kaohsiung City, Taiwan.

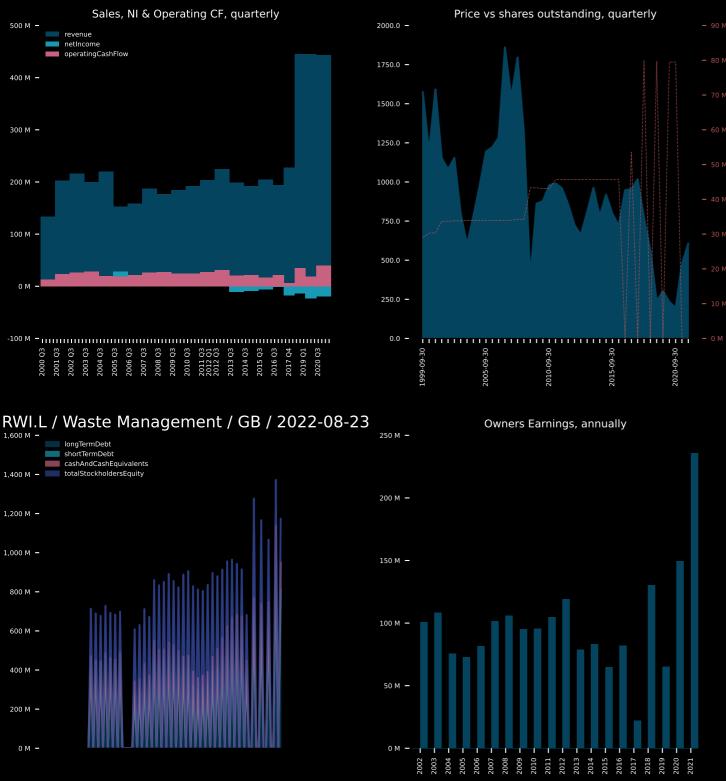








Tomra Systems ASA provides sensor-based solutions for optimal resource productivity worldwide. It operates through three divisions: Collection, Recycling Mining, and Food. The Collection division engages in the development, production, sale, and service of reverse vending machines and related data management systems. This segment is also involved in picking up, transporting, and processing empty beverage containers on behalf of beverage producers/fillers. The Recycling Mining division offers sorting systems for waste and metal material streams; and ore sorting systems for the mining industry. The Food Solutions division provides post-harvest grading and sorting solutions for fresh produce; and sorting and processing technology for the processed food industries. The company was founded in 1972 and is headquartered in Asker, Norway.





construction markets. The company was formerly

known as Shanks Group plc and changed its name to Renewi plc in February 2017. Renewi plc was

founded in 1880 and is headquartered in Milton

Keynes, the United Kingdom.

Sales, NI & Operating CF, annually

2 000 M -

1.750 M -

1,500 M -

1,250 M -

netIncome