

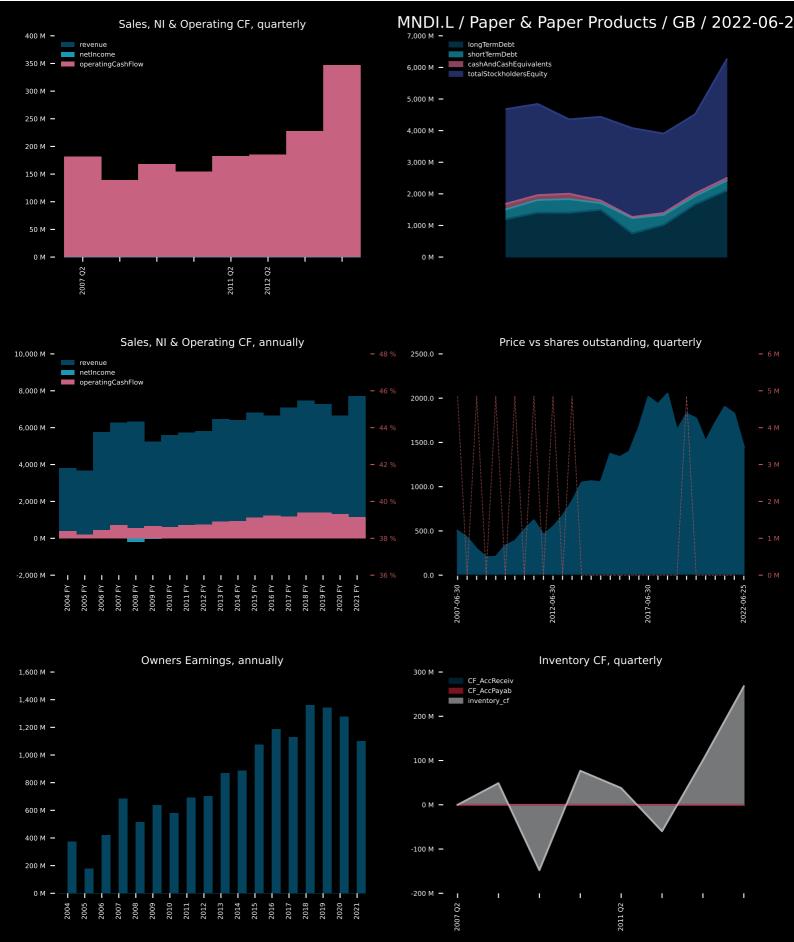
Suzano S.A. produces and sells eucalyptus pulp and paper products in Brazil and internationally. It operates through Pulp and Paper segments. The company offers coated and uncoated printing and writing papers, paperboards, tissue papers, and market and fluff pulps; and lignin and its byproducts. It also engages in the research, development, and production of biofuel; operating port terminals; power generation and distribution business; road transport of freight; commercialization of equipment and parts; biotechnology research and development; and commercialization of computer paper and materials. In addition, the company is involved in the business office, production packaging, and financial fundraising activities; research, development, production, commercialization, and distribution of wood-based textile fibers, warns, and filaments produced from collulose and microfibrillated collulose; and research and



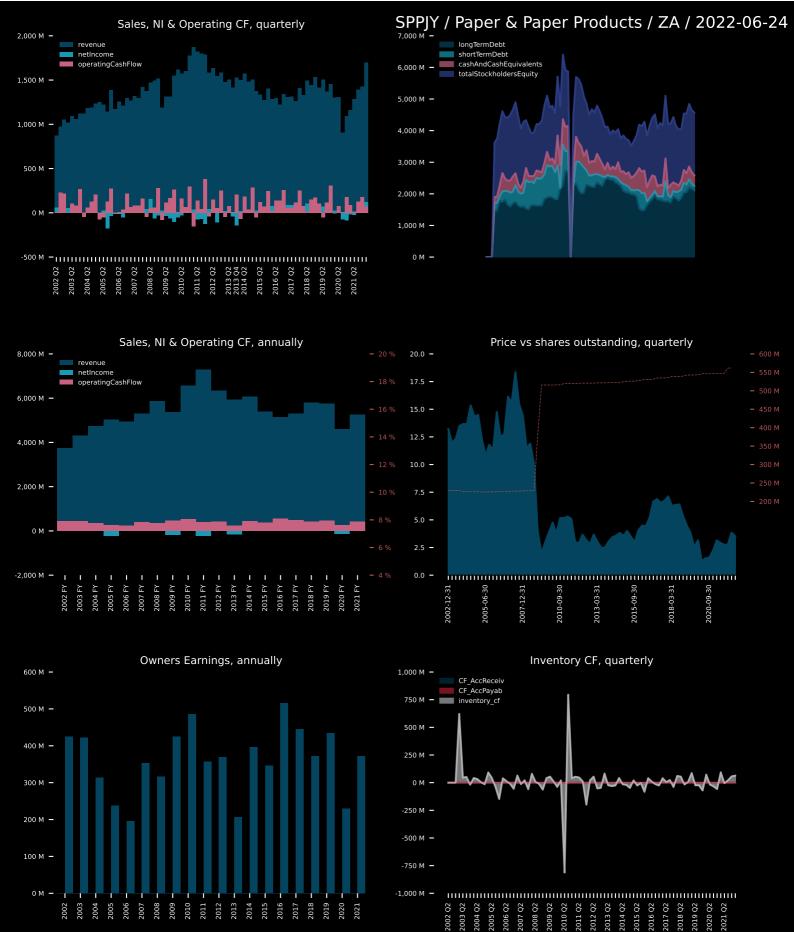
Stora Enso Oyj provides renewable solutions for the packaging, biomaterials, wooden constructions, and paper industries worldwide. It operates through Packaging Materials, Packaging Solutions, Biomaterials, Wood Products, Forest, Paper, and Other segments. The company's Packaging Materials segment offers virgin and recycled fiber renewable and recyclable packaging materials for food and drink, pharmaceutical, and transport packaging. Its Packaging Solutions segment develops and sells fiber-based packaging products and services, including corrugated, carton board and other converting products, design services, automation solutions, and formed fiber and wood foams for various market sectors, such as store retail, e-commerce, and industrials. The company's Biomaterials segment provides various pulp



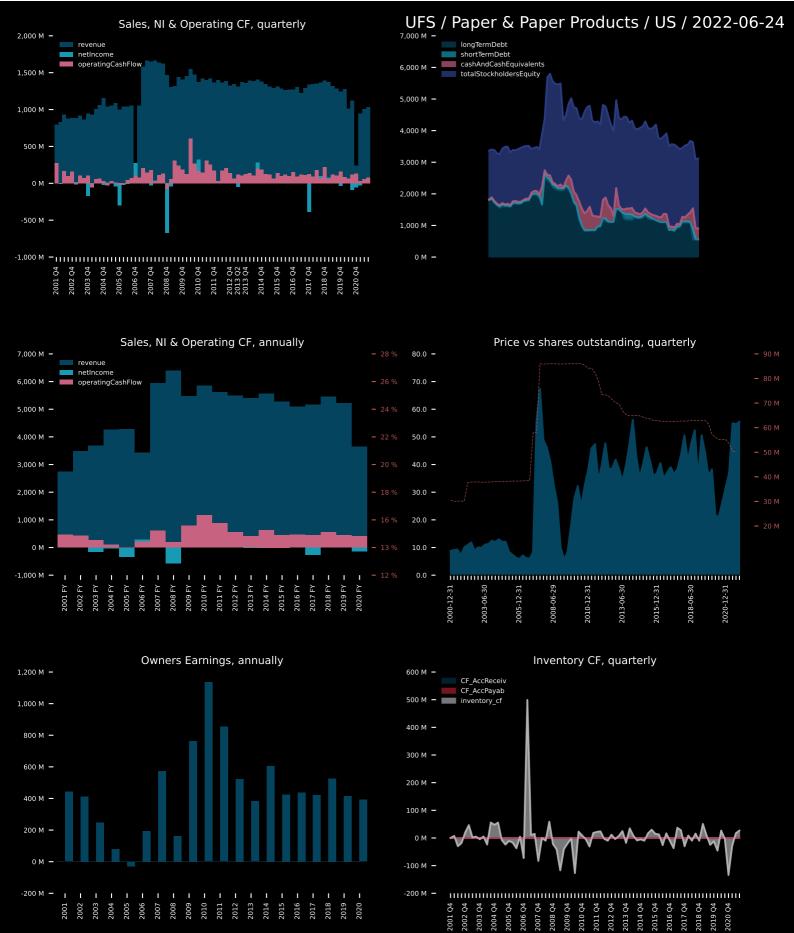
Stora Enso Oyj provides renewable solutions for the packaging, biomaterials, wooden constructions, and paper industries worldwide. It operates through Packaging Materials, Packaging Solutions, Biomaterials, Wood Products, Forest, Paper, and Other segments. The company's Packaging Materials segment offers virgin and recycled fiber renewable and recyclable packaging materials for food and drink, pharmaceutical, and transport packaging. Its Packaging Solutions segment develops and sells fiber-based packaging products and services, including corrugated, carton board and other converting products, design services, automation solutions, and formed fiber and wood foams for various market sectors, such as store retail, e-commerce, and industrials. The company's Biomaterials segment provides various pulp



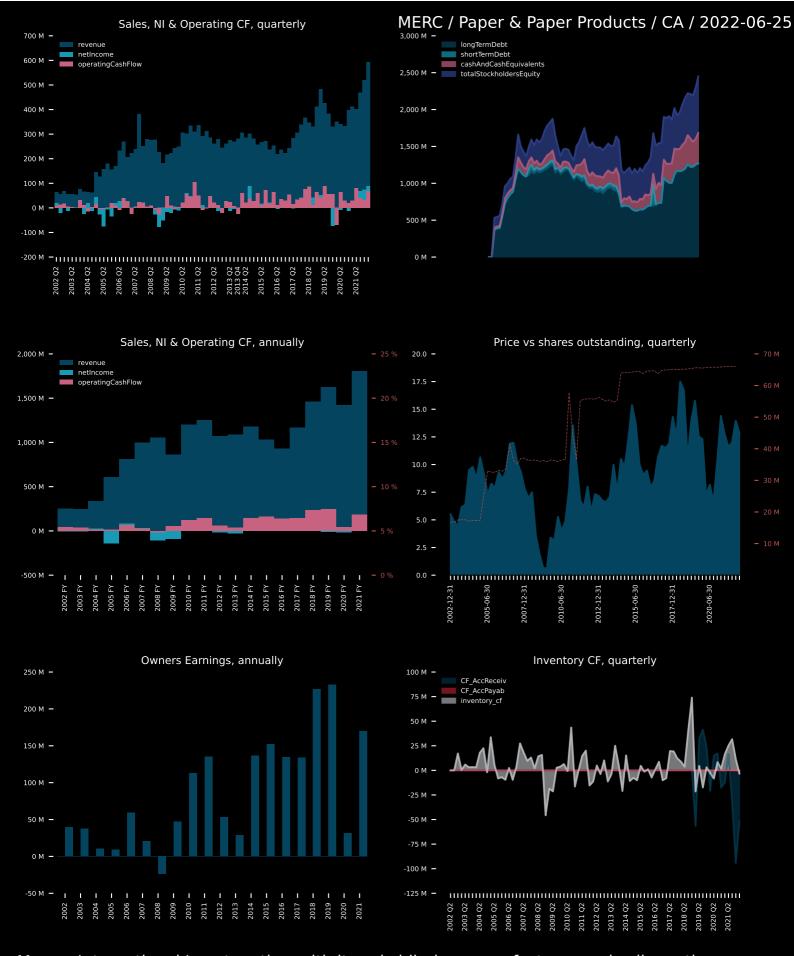
Mondi plc engages in the manufacture and sale of packaging and paper products in Africa, Western Europe, Emerging Europe, Russia, North America, South America, Asia, and Australia. It operates in Corrugated Packaging, Flexible Packaging, Engineered Materials, and Uncoated Fine Paper segments. The company offers flexible packaging, bags, and pouches; personal care components; release liners; technical films; corrugated packaging solutions; industrial bags; barrier coatings; specialty Kraft and sack Kraft papers; containerboards; and office and professional printing papers. It serves customers in the agriculture, automotive, building and construction, chemicals and dangerous goods, food and beverages, graphic and photographic, home and personal care, medical and pharmaceutical, office and professional printing, paper



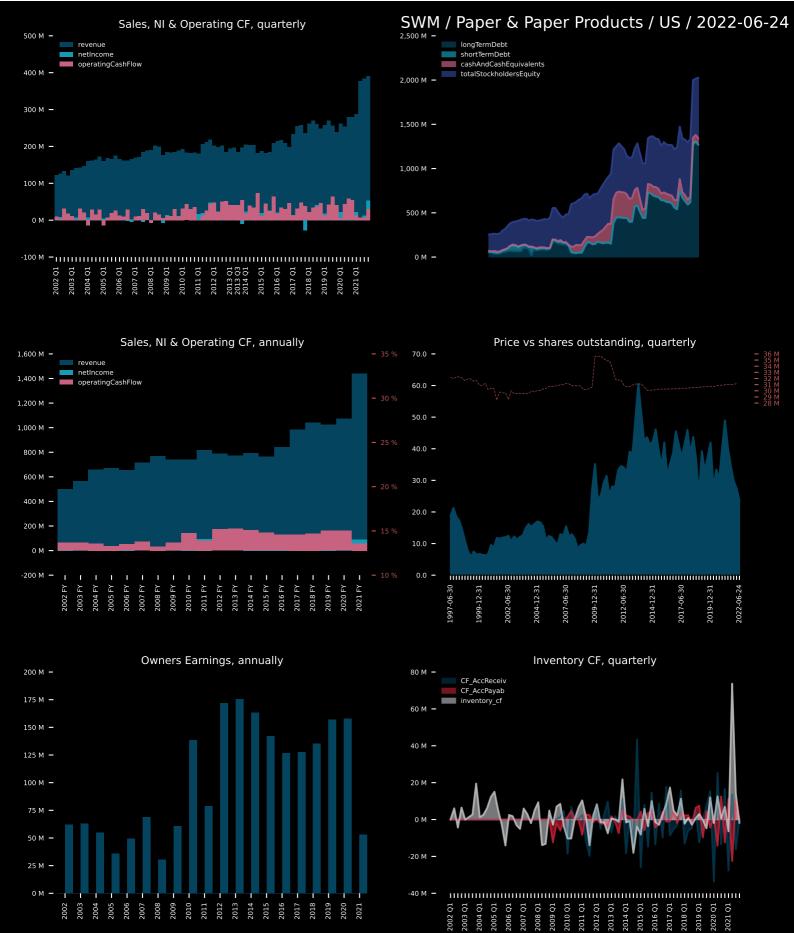
Sappi Limited provides materials made from woodfiber-based renewable resources in Europe, North America, and South Africa. The company offers dissolving pulp; graphic papers; packaging and specialty papers, including flexible packaging papers, label papers, functional paper packaging products, containerboards, paperboards, silicone base papers, dye sublimation papers, and inkjet papers; and casting and release papers. It also provides specialty chemicals and food ingredients; generates biomass energy, biogas, and hot water; offers fuel rods; and owns and manages forests. The company was formerly known as South African Pulp and Paper Industries Limited and changed its name to Sappi Limited in 1973. Sappi Limited was founded in 1936 and is headquartered in Johannesburg, South Africa.



Domtar Corporation designs, manufactures, markets, and distributes communication papers, specialty and packaging papers, and absorbent hygiene products in the United States, Canada, Europe, Asia, and internationally. It operates through two segments, Pulp and Paper, and Personal Care. The company provides business papers, including copy and electronic imaging papers used in inkjet and laser printers, photocopiers, and plain-paper fax machines, as well as computer papers, preprinted forms, and digital papers for office and home use. It also offers commercial printing and publishing papers, such as offset papers and opaques used in sheet and roll fed offset presses; publishing papers, which include tradebook and lightweight uncoated papers for publishing textbooks, dictionaries, catalogs, magazines, hard cover novels, and financial documents; and base papers for opyologies, tablots, business forms, and data



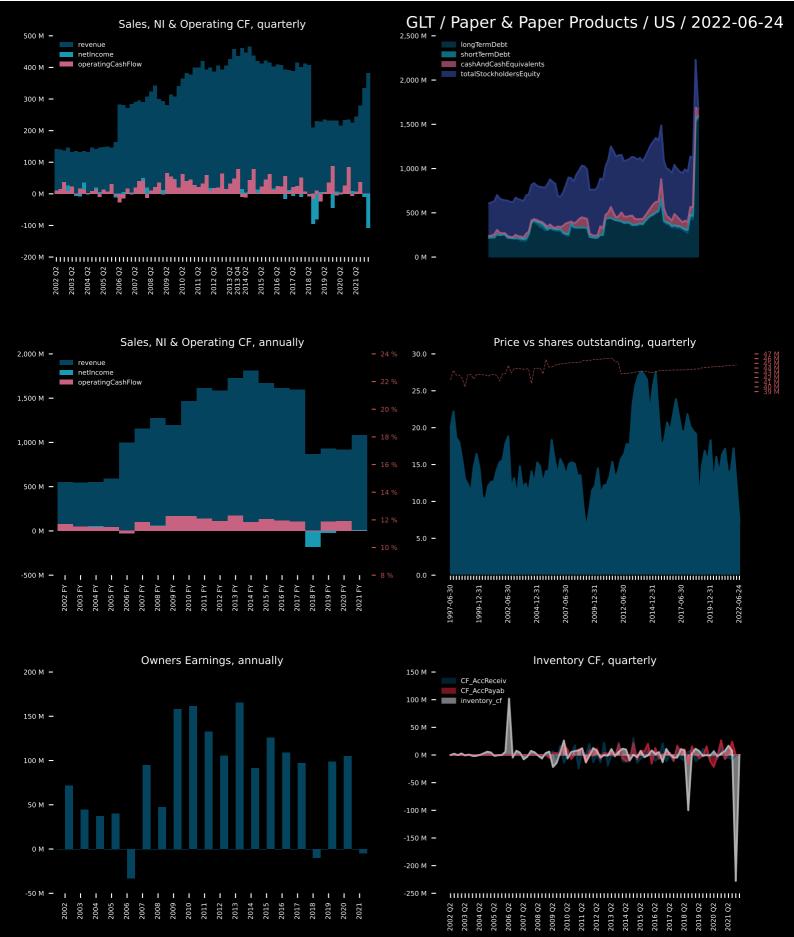
Mercer International Inc., together with its subsidiaries, manufactures and sells northern bleached softwood kraft (NBSK) pulp in Europe, the United States, Asia, and internationally. The company operates through two segments, Pulp and Wood Products. It also generates and sells green energy produced from biomass cogeneration power plant to third party utilities. In addition, the company manufactures, distributes, and sells lumber and other wood residuals. Further, it produces NBSK pulp primarily from wood chips, pulp logs, and sawlogs; carbon neutral or green energy using carbon-neutral bio-fuels, such as black liquor and wood waste; and tall oil for use as a chemical additive and green energy source. The company sells its pulp to tissue, specialty paper, and printing and writing paper, and other manufacturers; and lumber products to distributors, construction firms, secondary manufacturers, retail yards, and home



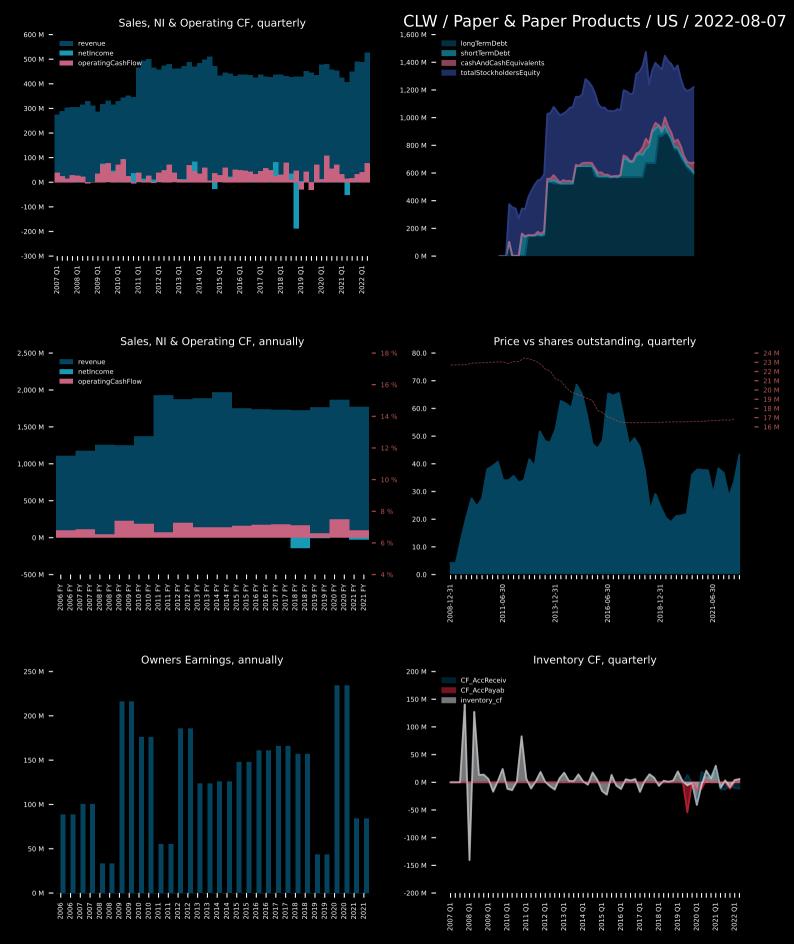
Schweitzer-Mauduit International, Inc., together with its subsidiaries, provides engineered solutions and advanced materials for various industries worldwide. It operates through two segments, Advanced Materials & Structures and Engineered Papers. The Advanced Materials & Structures segment manufactures and sells resin-based rolled goods, such as nets, films and meltblown materials, bonding products, and adhesive components, as well as offers other coating solutions and converting services for healthcare, construction, industrial, transportation and filtration end-markets. The Engineered Papers segment provides low ignition propensity cigarette papers that are designed to self-extinguish when not actively being smoked; reconstituted tobacco leaf, and wrapper and binder products use in machine-made cigars; alkaling battery separator papers; and commodity paper grades for printing and writing, flooring



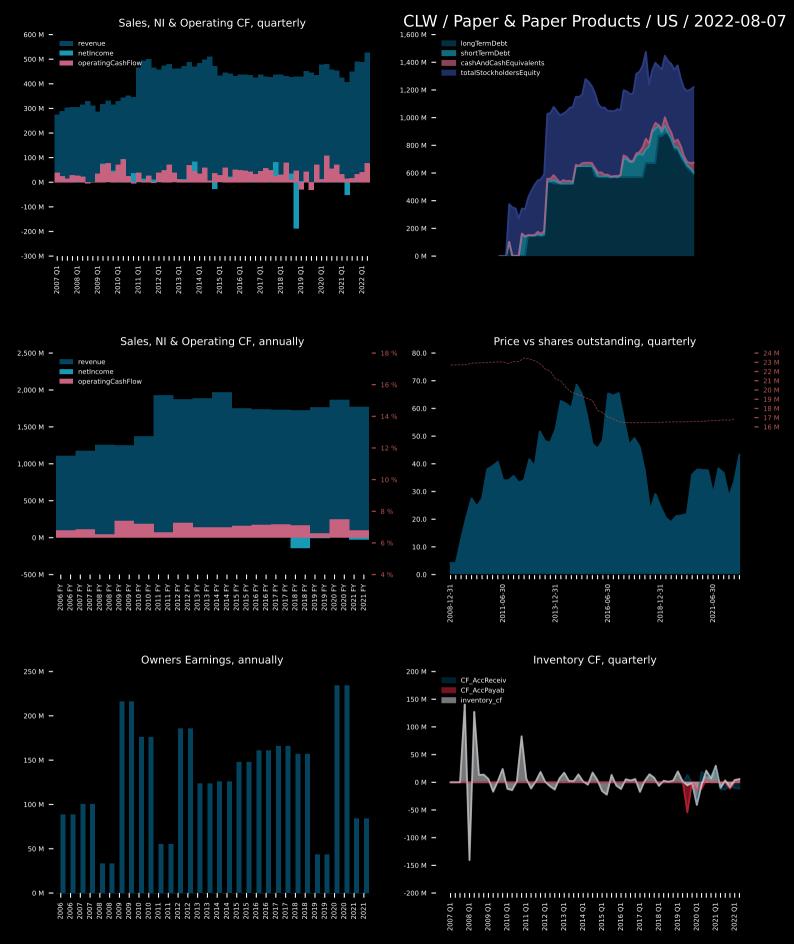
Resolute Forest Products Inc., together with its subsidiaries, operates in the forest products industry in the United States, Canada, Mexico, and internationally. The company operates through four segments: Market Pulp, Tissue, Wood Products, and Paper. The Market Pulp segment offers virgin and recycled bleached Kraft pulp, which is used to make a range of consumer products, including tissue, packaging, specialty paper products, diapers, and other absorbent products. The Tissue segment provides various tissue products, such as recycled and virgin paper products for the away-from-home and retail markets; and sells parent rolls. The Wood Products segment produces construction-grade and spruce-pine-fir lumber products, wood chips, bed frame components, finger joints, and furring strips for pulp and paper mills, as well as Ligists for the construction industry. The Paper segment offers powering to power appear.



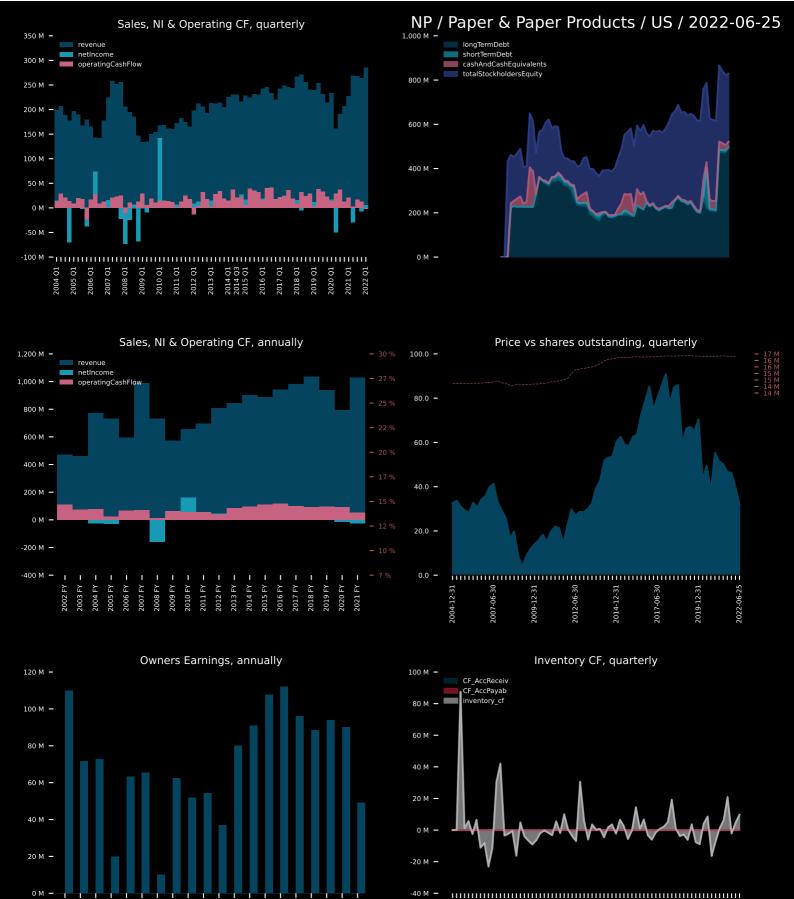
Glatfelter Corporation, together with its subsidiaries, manufactures and sells engineered materials worldwide. It operates through three segments: Composite Fibers, Airlaid Materials, and Spunlace. The Composite Fibers segment offers food and beverage filtration materials for single-serve coffee and tea products; wallcover base materials for wallpaper manufacturers; metallized products that are used in labels, packaging liners, gift wraps, and other consumer product applications; composite laminates consisting of decorative laminates for use in furniture, household and commercial flooring, and other applications; and specialty engineered products, which are used in electrical energy storage, home, hygiene, and other engineered fiber-based applications. The Airlaid Materials segment supplies absorbent cellulose-based airlaid populose materials that are used to manufacture consumer products, such as fomining



Clearwater Paper Corporation manufactures and supplies bleached paperboards, and consumer and parent roll tissues in the United States and internationally. It operates through two segments, Pulp and Paperboard, and Consumer Products. The Pulp and Paperboard segment offers folding cartons, liquid packaging, cups and plates, blister and carded packaging products, top sheet and commercial printing items, and softwood pulp products, as well as custom sheeting, slitting, and cutting of paperboard products. It sells its products to packaging converters, folding carton converters, merchants, and commercial printers. The Consumer Products segment provides a line of at-home tissue products, including bath tissues, paper towels, facial tissues, and napkins; recycled fiber value grade products; and away-from-home tissues. This segment colls its products to retailers and wholesale distributors, including agreesing



Clearwater Paper Corporation manufactures and supplies bleached paperboards, and consumer and parent roll tissues in the United States and internationally. It operates through two segments, Pulp and Paperboard, and Consumer Products. The Pulp and Paperboard segment offers folding cartons, liquid packaging, cups and plates, blister and carded packaging products, top sheet and commercial printing items, and softwood pulp products, as well as custom sheeting, slitting, and cutting of paperboard products. It sells its products to packaging converters, folding carton converters, merchants, and commercial printers. The Consumer Products segment provides a line of at-home tissue products, including bath tissues, paper towels, facial tissues, and napkins; recycled fiber value grade products; and away-from-home tissues. This segment colls its products to retailers and wholesale distributors, including agreesing



Neenah, Inc., a specialty materials company, engages in the performance-based technical products, and fine paper and packaging products businesses in North America, Germany, Spain, and rest of Europe. Its Technical Products segment offers filtration media for transportation, water, and other end use applications; saturated and unsaturated crepe, and flat paper tapes; and coated lightweight abrasive papers for automotive, construction, metal, and woodworking industries. It also provides digital transfer media; label and tag products for digital printing; latex saturated and coated, premask, medical packaging, digital transfer, publishing, security, clean room, passports, and release papers; furniture backers; and release liners. The company's Fine Paper and Packaging segment offers writing, text, cover, and specialty papers; and advertising convolutions used in commercial printing services, corporate identity packages, and advertising

2005 Q1 2006 Q1 2007 Q1 2008 Q1 2009 Q1 2010 Q1

2004 Q1

2018

2019

2010

2011 2012 2013 2014 2015 2015 2016

2008

2006

2002

2011 Q1 2012 Q1

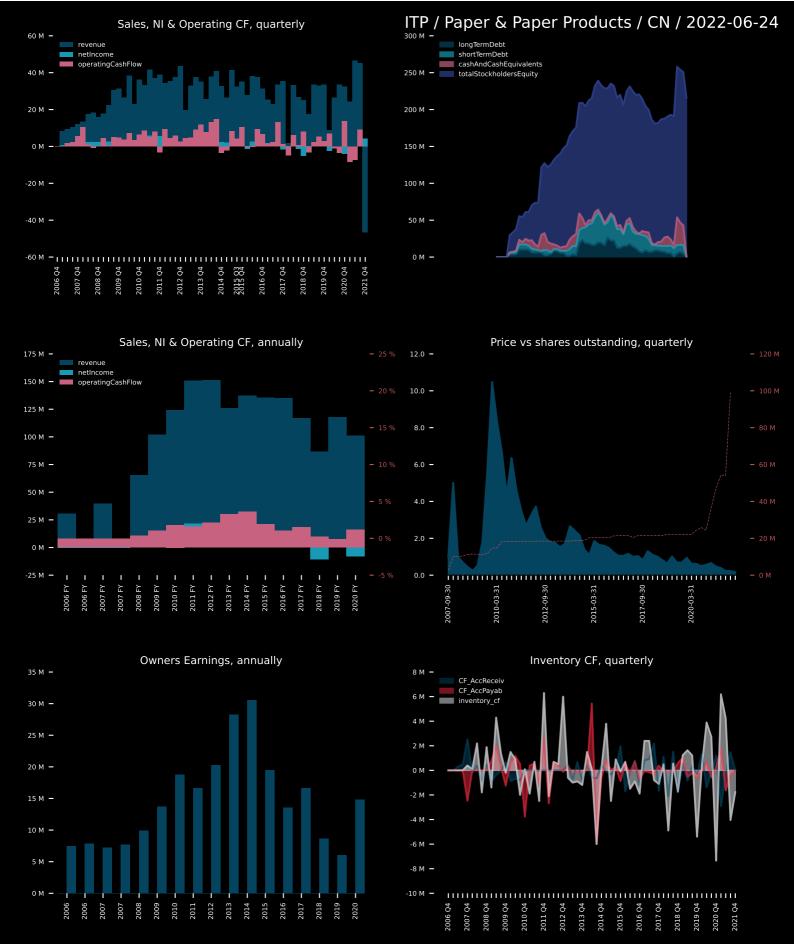
2013 Q1 2014 Q1 2015 Q1 2016 Q1 2017 Q1 2018 Q1



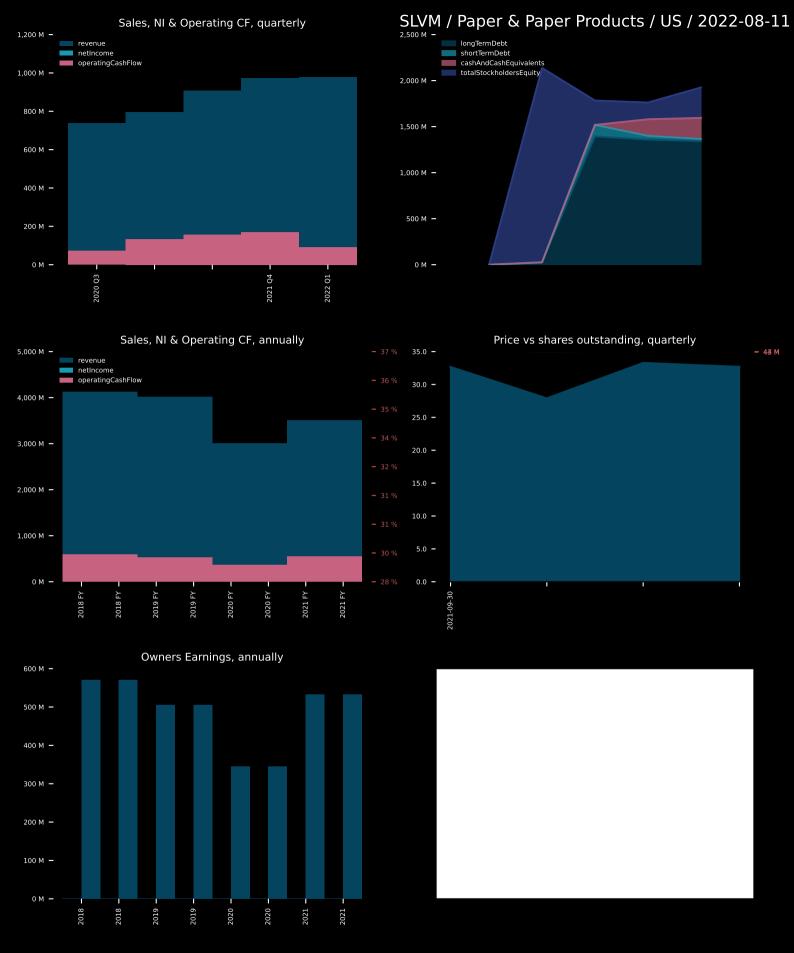
Verso Corporation produces and sells coated papers in North America. It operates through two segments, Paper and Pulp. The company offers coated and uncoated freesheet, coated groundwood, supercalendered, specialty, and packaging papers; and pulp to manufacture printing, writing and specialty paper grades, and tissue and other products. Its paper products are used primarily in media, marketing, commercial printing, catalogs, magazines, high-end advertising brochures, and direct-mail advertising applications, as well as specialty applications, such as labeling and other special applications. The company was formerly known as Verso Paper Corp. and changed its name to Verso Corporation in January 2015. Verso Corporation was incorporated in 2006 and is based in Miamisburg, Ohio.



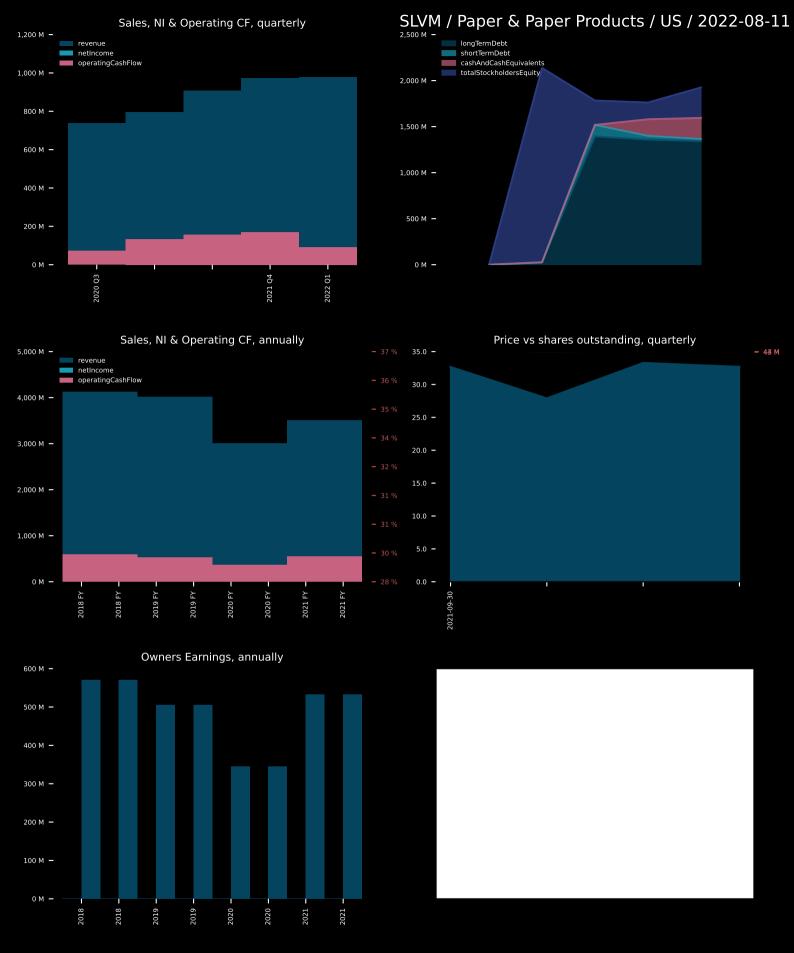
James Cropper PLC manufactures and sells papers products and advanced materials. It operates through Paper, Colourform, and Technical Fibre Products divisions. The company offers specialty papers and boards; and molded fiber products, as well as converts paper. It also manufactures wet-laid nonwovens used in aerospace, defense, fuel cells, and composites. It has operations in the United Kingdom, other European countries, Asia, the Americas, Australasia, and Africa. James Cropper PLC was founded in 1845 and is headquartered in Kendal, the United Kingdom.



IT Tech Packaging, Inc., through its subsidiaries, engages in the production and distribution of paper products in the People's Republic of China. The company offers corrugating medium papers to companies making corrugating cardboards; and offset printing papers to printing companies. It also provides tissue paper products, including toilet papers, boxed and soft-packed tissues, handkerchief tissues, and paper napkins, as well as bathroom and kitchen paper towels under the Dongfang Paper brand. In addition, the company produces and sells non-medical single-use face masks, and medical face masks. The company was formerly known as Orient Paper, Inc. and changed its name to IT Tech Packaging, Inc. in August 2018. IT Tech Packaging, Inc. was founded in 1996 and is headquartered in Baoding, the People's' Republic of China



Sylvamo Corporation produces and supplies printing paper in Latin America, Europe, and North America. The company offers uncoated freesheet for paper products, such as cutsize and offset paper; and markets pulp, aseptic, and liquid packaging board, as well as coated unbleached kraft papers. It also produces hardwood pulp, including bleached hardwood kraft and bleached eucalyptus kraft; bleached softwood kraft; and bleached chemi-thermomechanical pulp. The company distributes its products through a variety of channels, including merchants and distributors, office product suppliers, e-commerce, retailers, and dealers. It also sells directly to converters that produce envelopes, forms, and other related products. The company was founded in 1898 and is headquartered in Memphis, Tennessee.



Sylvamo Corporation produces and supplies printing paper in Latin America, Europe, and North America. The company offers uncoated freesheet for paper products, such as cutsize and offset paper; and markets pulp, aseptic, and liquid packaging board, as well as coated unbleached kraft papers. It also produces hardwood pulp, including bleached hardwood kraft and bleached eucalyptus kraft; bleached softwood kraft; and bleached chemi-thermomechanical pulp. The company distributes its products through a variety of channels, including merchants and distributors, office product suppliers, e-commerce, retailers, and dealers. It also sells directly to converters that produce envelopes, forms, and other related products. The company was founded in 1898 and is headquartered in Memphis, Tennessee.



Sugarmade, Inc. engages in the paper and paper-based products business in the United States. It operates through three segments: Paper and Paper-Based Products, Non-Medical Supplies, and Cannabis Products Delivery Service and Sales. The company also produces and wholesales custom printed and generic supplies, such as plastic cold cups, paper coffee cups, yogurt cups, ice cream cups, cup lids, cup sleeves, edible packaging, food containers, soup containers, plastic spoons, and other related products to quick-service restaurants. In addition, it offers non-medical personal protective equipment. Further, the company operates the cannabis products delivery and sale services under the BudCars, Lemon Glow, and Nug Avenue brand names. It also offers its products through CarryOutSupplies.com website. Sugarmade, Inc. is