

Stora Enso Fact sheet

We are the renewable materials company



Our raw material is renewable, recyclable and fossil-free.



Our products replace fossil-based materials.

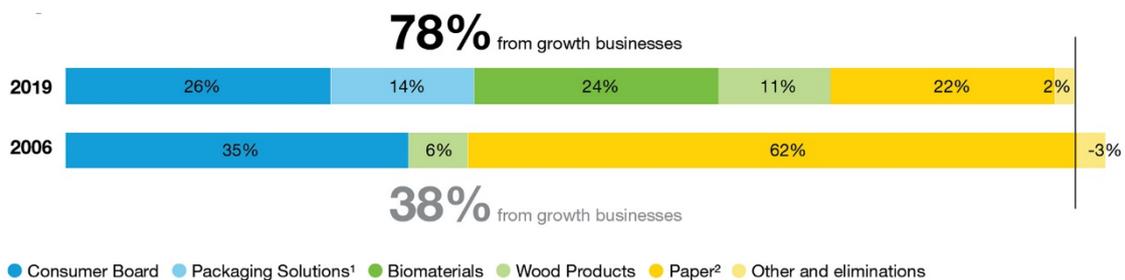


Our renewable products contribute to a circular bioeconomy.

This is Stora Enso

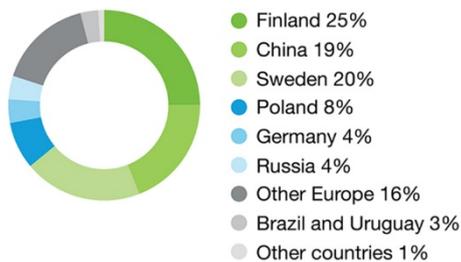
- **Sales 2019:** EUR 10.1 billion
- **Employees 2019:** 26 000
- **Listed on:** Nasdaq Helsinki and Stockholm

Operational EBIT 2019



¹ In 2006 in Consumer Board ² In 2006 includes merchants

Personnel by country¹ 2019



¹ Including 50% of the employees at Veracel in Brazil and Montes del Plata in Uruguay.

Sales by destination in 2019



Our business idea

Anything made from fossil-based materials today can be made from a tree tomorrow

This is our business idea. In coming years, wood- and bio-based solutions will be used in all sorts of new ways. Next-generation modular building systems based on trees to reduce the use of concrete, biocomposites from trees to reduce the need for fossil polymers in plastics, new packaging and barriers to help reduce or eliminate the need for plastics, and lignin from trees to replace phenol in glues. We can make products smart, for example, with our solutions for intelligent packaging. These are just a few examples that are already in development.

Building on this, we serve companies and brands, big and small, in meeting their visions and challenges to stay competitive and satisfy demands for responsible, eco-friendly solutions. We offer renewable materials with state-of-the-art know-how, global reach, high precision value chain and superior customer support.

Our purpose:

Do good for people and the planet.
Replace fossil-based materials with renewable solutions.

Our values:

Lead.
Do what's right.

Our markets

Stora Enso operates worldwide and focuses on utilising expertise in renewable materials and creating value in packaging, pulp, paper and wood. We combine global resources with local presence, service and sustainability.

Europe

Stora Enso's head office is in Helsinki, Finland. Most of the group's sales and operations take place in Europe, where we are a leading producer of packaging board and solutions, pulp, wooden products and paper. Stora Enso has three research centres, in Imatra (Finland), Karlstad (Sweden) and Mönchengladbach (Germany), and two innovation centres, in Stockholm and Helsinki. In Northern Europe, we source most of our main raw material – wood – from our own forests in Sweden, our forest associate Tornator and private forest owners.

Asia

The demand for Stora Enso's products, especially consumer board, is growing fast in China. Our consumer board mill in Beihai, in the Guangxi region, serves the markets with virgin fiber-based board. In Guangxi our operations also include eucalyptus plantations. In addition, Stora Enso has four packaging plants in China. We divested our stake in the Dawang paper mill in 2019 and no longer have paper production in China.

North America

In the United States, Stora Enso has a pilot facility in Danville, Virginia, to develop technologies for the conversion of biomass into highly refined sugars and lignin. In Raceland, Louisiana, there is a demonstration plant for the production of xylose. These new technologies will enable the development of sustainable replacements for fossil-based materials in various industries

South America

Latin America is important for Stora Enso's strategy of obtaining low-cost pulp from tree plantations. In Brazil, we own 50% of Veracel Cellulose pulp mill, with Suzano. Our share of the eucalyptus pulp is mostly used in our paper and board mills. Veracel also owns land, around half of which is former pasture land planted with eucalyptus. The other half is dedicated to protecting local biodiversity by restoring the natural Atlantic rainforest. The Montes del Plata pulp mill in Uruguay is a joint operation between Stora Enso and Arauco. Stora Enso's share is sold entirely as market pulp, mainly in Europe and Asia. Montes del Plata's tree plantations are also utilised as pasture by local farmers through land rental schemes.

Stora Enso's main product segments

High quality packaging products and services

The ambition of Packaging Materials division is to be a global leader in circular economy with our high-quality renewable packaging materials based on both virgin and recycled fiber. Addressing the needs of today's eco-conscious consumers, we help customers and brand owners to find the best material for their packaging and to replace fossil-based materials with low carbon footprint, renewable and recyclable alternatives.

Packaging Solutions division develops and sells world class fiber-based packaging products and services. We constantly innovate and find new ways to replace fossil-based packaging with renewable, eco-friendly alternatives. Our high-end packaging solutions are used by leading customers and brands across multiple industries.

One example of our packaging products:



Formed Fiber

Products

- Potential products include food packaging items such as plastic-free cups, bowls, clamshells, plates and coffee cup lids as well as replacing plastics in agriculture, electronics and cosmetics packaging

End-use benefits

- Renewable and recyclable material for various applications in food and non-food use
- Plastic free
- Moisture and grease resistant

Various pulp grades, lignin, tall oil, and turpentine

The Biomaterials division offers a wide variety of pulp grades to meet the demands of paper, board, tissue, textile and hygiene product producers. We maximise the business potential of the side streams of our processes, such as tall oil and turpentine from biomass. Based on our strong innovation approach, all fractions of biomass, like lignin and sugars, hold substantial potential for use in various applications.

One example of our pulp grades:



Pure by Stora Enso

• Products

- Primarily used to make viscose staple fibers for the textile industry with end-use applications such as clothing, decorative fabrics, knitwear and non-wovens

• End-use benefits

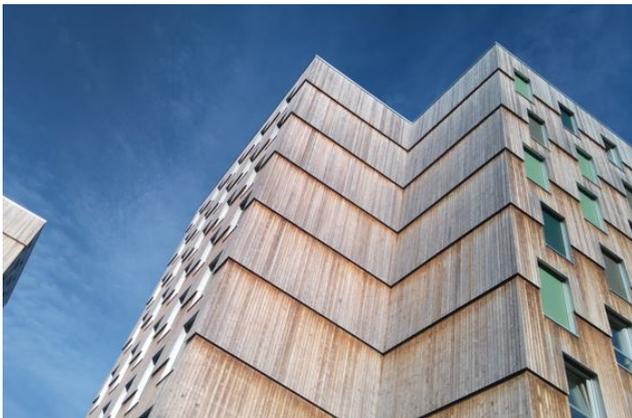
- Renewable, recyclable and biodegradable raw material

Wood products that meet the requirements for safety, quality, design, and sustainability

The Wood Products division is a leading provider of innovative wood-based solutions. The product range covers applications for construction, the window and door industry, as well as for the packaging and decoration industries.

Biocomposites offer plastic replacement opportunities in e.g. consumer goods, industrial components, cosmetics and packaging. Pellets provide a sustainable solution for heating. The offering includes service concepts such as Building Solutions and e-business. Our solutions meet strict requirements regarding safety, quality, design and sustainability.

One example of our wood products:



Building Solutions

Products

- Massive wood construction elements
- Complex panel shapes
- Building Concept and Applications

End-use benefits

- Carbon emissions cut by up to 50% using wood instead of concrete and steel
- Faster, safer and quieter construction
- Good thermal resistance and insulating properties

Wide range of paper solutions for all end uses

Stora Enso is the second largest paper producer in Europe with an established customer base and a wide product portfolio for print and office use. Customers benefit from Stora Enso's broad selection of papers made from recycled and virgin fiber as well as our valuable industry experience, know-how and customer support.

One example of our new paper grades:



PrimaPlus by Stora Enso

• Products

- A new light weight uncoated paper with coated like haptic properties

• End-use benefits

- Material efficiency thanks to yield advantages
- Savings in distribution thanks to lower basis weights
- Haptic properties matching traditional coated sheets

Welcome to the renewable materials company.

<https://www.storaenso.com/en>