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Concerned SDG(s): 12, 13, 15 Company name: Stora Enso OYJ Industry: Paper manufacturing



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CHALLENGE



Enso Finnish Stora is а manufacturer of pulp, paper and other forest products. Wishing to contribute to a greener future, the company accepted a challenge to make manufacturing of these products more sustainable. Currently, Stora Enso transforming from a traditional paper and board producer to a renewable materials growth company. Company²⁹ believes that everything that is made of fossil-based materials today can be made of a tree tomorrow.

PRACTICE

Sustainability at Stora Enso covers the *social, environmental, and economic responsibility*³⁰ of operations throughout the value chain, with human rights integrated in all that company does (*Fig.* 1).

Social agenda of Stora Enso is based on wide workforce provided by *diverse pool of employees*. In employee safety, the total amount of recordable incidents within the organization was mitigated by 18% compared to previous year 2017. Additionally, the company focuses on *taking care of the local communities* situated in their places of operation, as well as carrying out *ethically sound business*. As an example of that, recently Stora Enso has directed 46% of its community investment budget to Brazil, where the company manages 213 500 hectares of forest in collaboration with a local company.

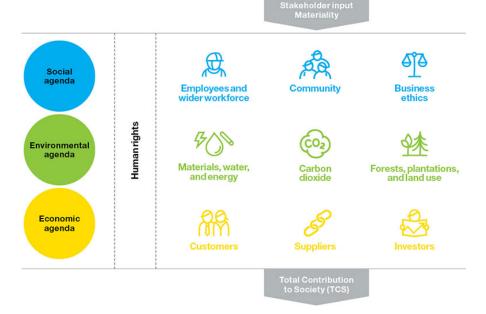


Figure 1 Sustainability Strategy of Stora Enso

²⁹Stora Enso: Our Strategy, https://www.storaenso.com/en/about-stora-enso/our-strategy
³⁰Stora Enso: Sustainability and governace, https://www.storaenso.com/en/sustainability/sustainability-strategy-and-governance



PRACTICE

Not only have they reserved half of the managed land for rain forest restoration and conservation, but also they actively support local income generation and employment, as well as other local development programs. The collaboration unites companies, governments, local communities and nongovernmental organizations to reach the defined sustainability goals through different projects.

To address environment's needs, Stora Enso is committed to efficient use of materials, water and energy. In 2018, it has managed to utilize 98% of the waste generated in their manufacturing processes and lowered its CO₂ equivalent emissions by 18% compared to the measurement base level year of 2010. In addition, the company gained all required certificates that guarantee that forests and land are utilized in a sustainable way.

To ensure economic sustainability, Stora Enso operates with customer-oriented approach. The company closely monitors its supply chain and sets high sustainability criteria in its tendering processes concerning external sourcing.





Picture Source: storaenso.com





Figure 2 Stora Enso: three strategic SDGs

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Stora Enso is also supporting the UN's Sustainable Development Goals (SDGs), particularly focusing on the three goals that have been identified as the most strategic to their business (Fig. 2). The company contributes to those goals by using renewable materials, partaking in the bio-

economy and circular economy, and safeguarding forest biodiversity.

BENEFITS AND RESULTS











Bio-based materials

intelligent packagin

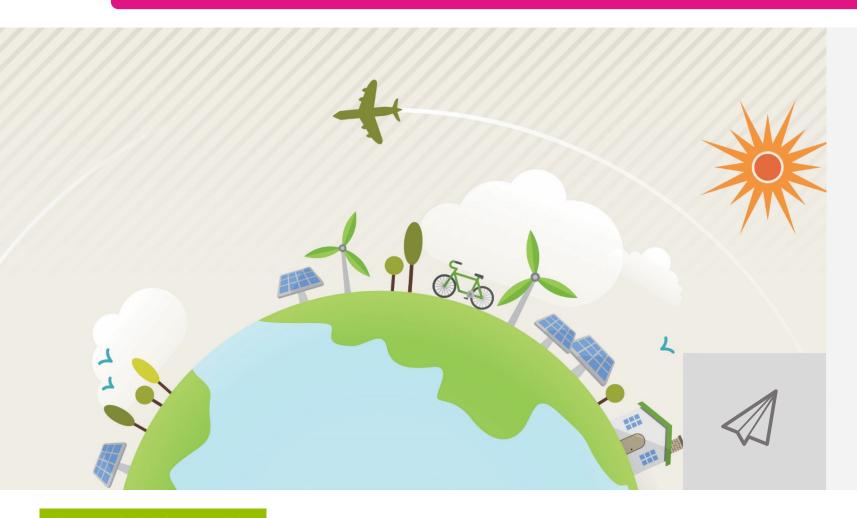
Picture Source: storaenso.com

Figure 3 Sustainable alternatives to non-renewable materials produced by Stora Enso

Stora Enso has been widely awarded and they have received endorsement for their sustainability practices. These recognitions and indices include Euronext Vigeo, FTSE4Good Index, ECPI Ethical Indices, ISS-oekom Research class "Prime", MSCI, Ecovadis, OMX GES Sustainability Finland Index, STOXX ESG Indices, Ethibel, Transition Pathway Initiative, CDP Climate A list, Sustainability Reporting Awards Finland, ReportWatch, WBSCD top ten sustainability report, Sustainable Brand Index, Equileap rank 12 in gender equality and Most sustainable company 2018 in Sweden.

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BENEFITS AND RESULTS



Contributing significantly to bio-economy, the company produces materials that are renewable, reusable, and recyclable, and form the building blocks for a range of innovative solutions that can help replace products based on fossil fuels and other non-renewable materials (Fig. 3). Stora Enso has a range of positive financial, social, and environmental impacts on society, such as direct and indirect employment, taxes and dividends, and products providing renewable alternatives to nonrenewable materials. Today innovative solutions developed by Stora Enso are found in such segments as building, retail, food and beverages, manufacturing, publishing, pharmaceutical, cosmetics, confectionary, hygiene and textiles. Tomorrow, as the company believes there is the potential to produce anything that's made with fossil-based materials from a tree.

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