



StoraEnso



FIBERTECH 2026, 26.-27.8.2026, Savonlinna

Stora Enso

Pakkauskartonkien tulevaisuus – biomateriaaleja, kierrätettävyyttä ja prosessi-innovaatioita

Future of Packaging Boards – Biomaterials, circularity and process-innovations

JR

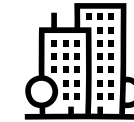
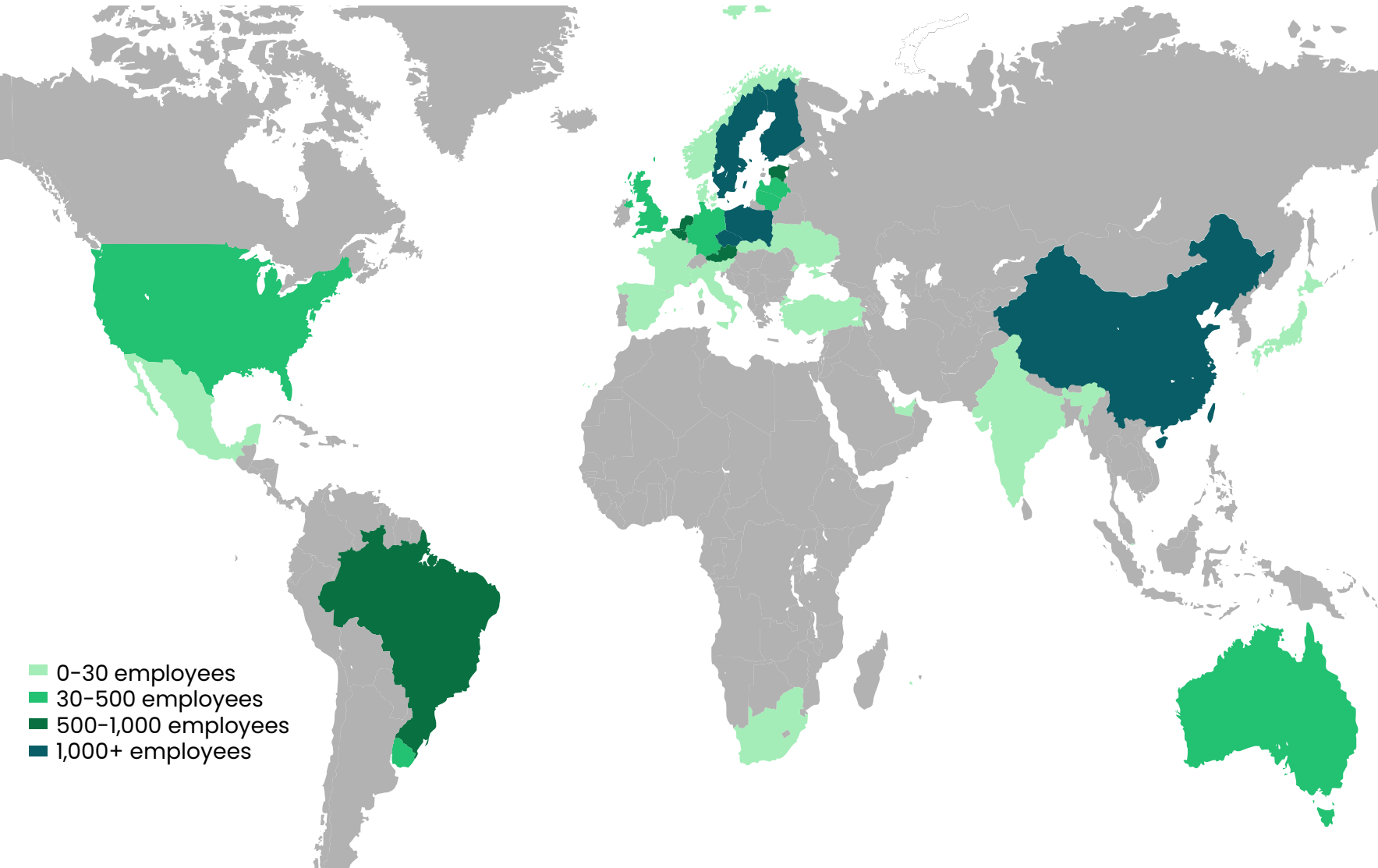
27/8/2026

The renewable materials company

From the Nordics to the world: Global reach with local market knowledge



StoraEnso



Head office in Helsinki,
Finland

Employees in

30+

countries

Sales offices in

18

countries

12

countries with
production
facilities

50+

production
units

Our strategy is built around providing renewable materials, with strong focus on packaging

Purpose:

- Do good for people and the planet
- Replace non-renewable materials with renewable products

Values:

- Lead and do what's right

Performance culture:

- Ambition
- Agility
- Analytical approach
- Accountability

People promise:

- Safety, diversity and inclusivity
- Customer value, performance and innovation
- Grow people and teams

High customer value with efficient operations
maximizing shareholder value



Leading through innovation and sustainability



StoraEnso

Key innovation drivers

Circularity

Replacing
plastics

Reduce CO₂
footprint

Key research areas

Design for
Circularity

Fiber
Efficiency

New functional
packaging materials

By 2030

Reduction in absolute
emissions (Scope 1,2,3)

-50%

Progress 2025
-62 % Direct emissions
-38 % Indirect emissions

Technically recyclable
products

100%

Progress 2025 - 94 %

Material circularity

90%

**Share of material
circularity 79 %**

By 2050

**Net
positive**

impact on biodiversity, climate
and circularity

100%

regenerative products and
solutions



Plastic reduction
Or fully plastic-free
products



Improved recycling
Higher material recovery
rate



Easier collection
To enable wider sorting
options



Simplified structures
To reach certain thresholds
of material composition



Biodegradable options
To enable composting in
industrial or home conditions

Competitive portfolio of quality, renewable solutions, with strong focus on packaging



Renewable packaging

industry-leading portfolio of renewable, high-performance packaging to replace plastics where it matters and address regulatory and consumer demands



Wood products

wood-based solutions that help the building sector decarbonise construction



Biomaterials

supplying high-quality pulp and driving the growth of bio-based innovations

Every packaging has its function. We protect what matters.



StoraEnso



Keeping food and beverages fresh and safe



Protecting medicines at every stage



Securing cargo and deliverables with durable packaging and biobased foams



Delivering premium, tailored solutions for the most demanding needs

Packaging expertise for every customer need: Consumer and containerboards



StoraEnso

Consumer boards



Liquid packaging board



Food service board



Coated unbleached kraft



Solid bleached sulphate



Folding boxboard

Containerboards



Kraftliner



Recycled containerboard



Semi-chemical fluting



Kraft Paper



Paper products:
Book, newspaper, SC

**Our renewable products
are making cups
more eco-friendly.**



StoraEnso



Cupforma™
by Stora Enso

**Reducing the
carbon
footprint of
food trays with
fiber-based**

Trayforma™
by Stora Enso





- All fibre materials from traceable and legal sources
- Free from OBA
- Compliant with existing EU and US FDA food contact material legislation
- End uses:
 - food on-the-go
 - dry, chilled, and frozen food
 - beverage packaging
 - cosmetics
 - folded trays
- Grammage range from 220 to 350 g/m²

Truly beautiful canvas for premium packaging end uses



BEAUTY & PERSONAL CARE

Ensocoat™ has excellent printability, which enhances the visual appearance of the packaging. This guarantees the best possible platform for premium packaging where the convertibility and resilience of the board are essential.



PHARMA & HEALTHCARE

Suitability for different printing techniques and markings such as braille embossing and laser coding is making Ensocoat™ ideal for pharmaceutical and healthcare packaging.



CHOCOLATE & CONFECTIONERY

Ensocoat™ is a perfect choice to pack in products requiring odour and taste neutrality. Also different special effects and finishing treatments such as hot and cold foil stamping, demanding embossing and varnishes work smoothly.

Boundless strength with ultimate endurance



StoraEnso

- CKB Carrier provides maximum strength and protection in the most demanding conditions. CKB Carrier has an increased tear resistance, bending stiffness and highly impressive tensile and burst strength.
- In addition, CKB Carrier offers smoothness and gloss that makes brand extension easy and effective.
- Improved wet strength in all substances
- End uses: beverage packaging, multipack solutions.
- SUB, 270–380 g/m²





StoraEnso

From material science to scalable packaging solutions

Stora Enso Group Innovation and R&D

The renewable materials company

Forward-leaning, we co-create for today's needs and reimagine for the future



StoraEnso

Resource efficiency

Finding ways to do more with less

Continuously improving fibre yield

Repurposing waste, side-streams, and by-products

Production technology

Cutting-edge technology for light, quality materials

Lower emissions and resource use

Flexible production capabilities

Material performance

Lightweighting of materials

Innovative packaging barriers

Research of renewable material alternatives

Recycling

Product recyclability

Use of recycled fibres

Partnering to develop circularity

Group IRD organization network

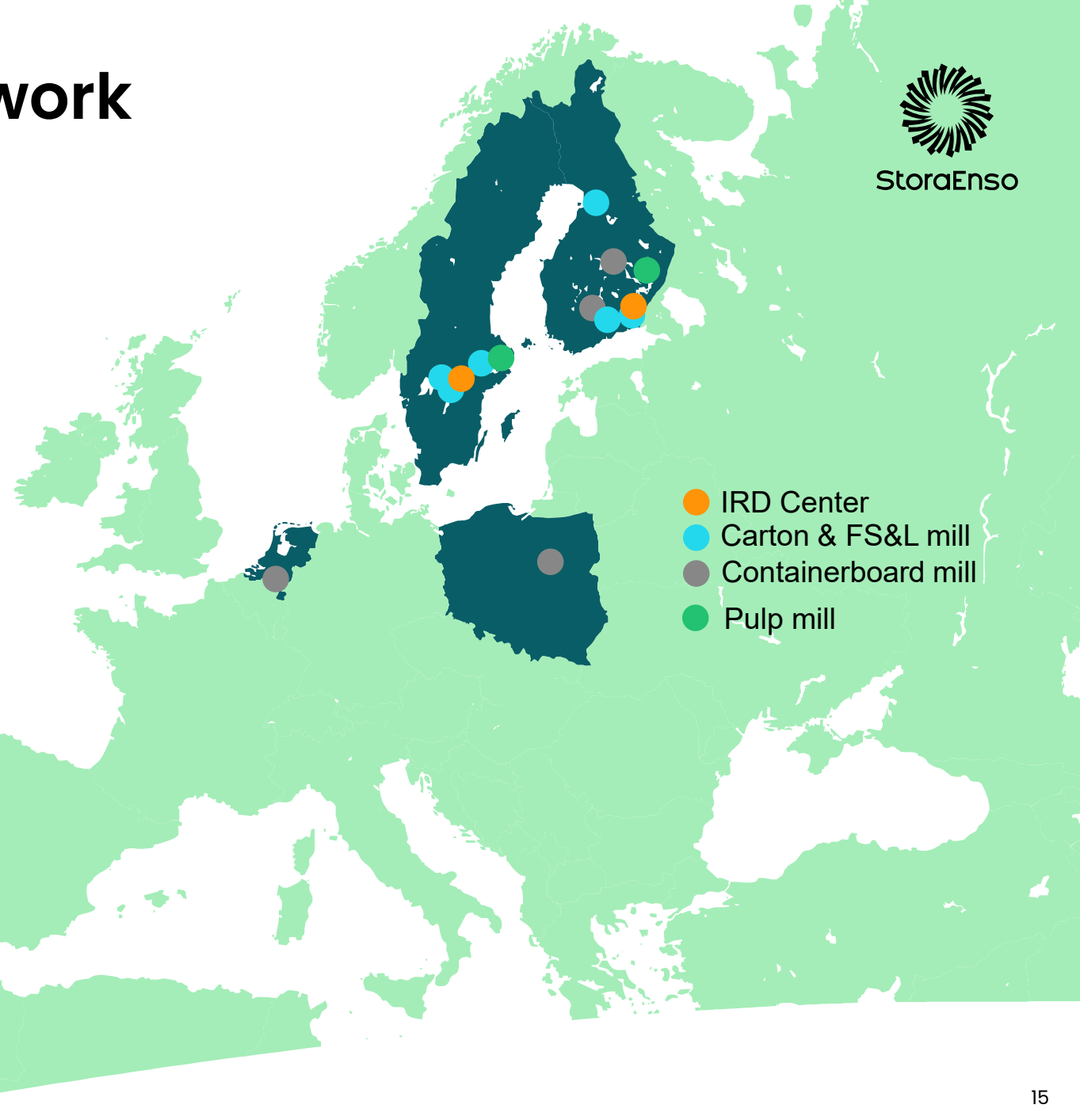
Central labs and mill teams



StoraEnso

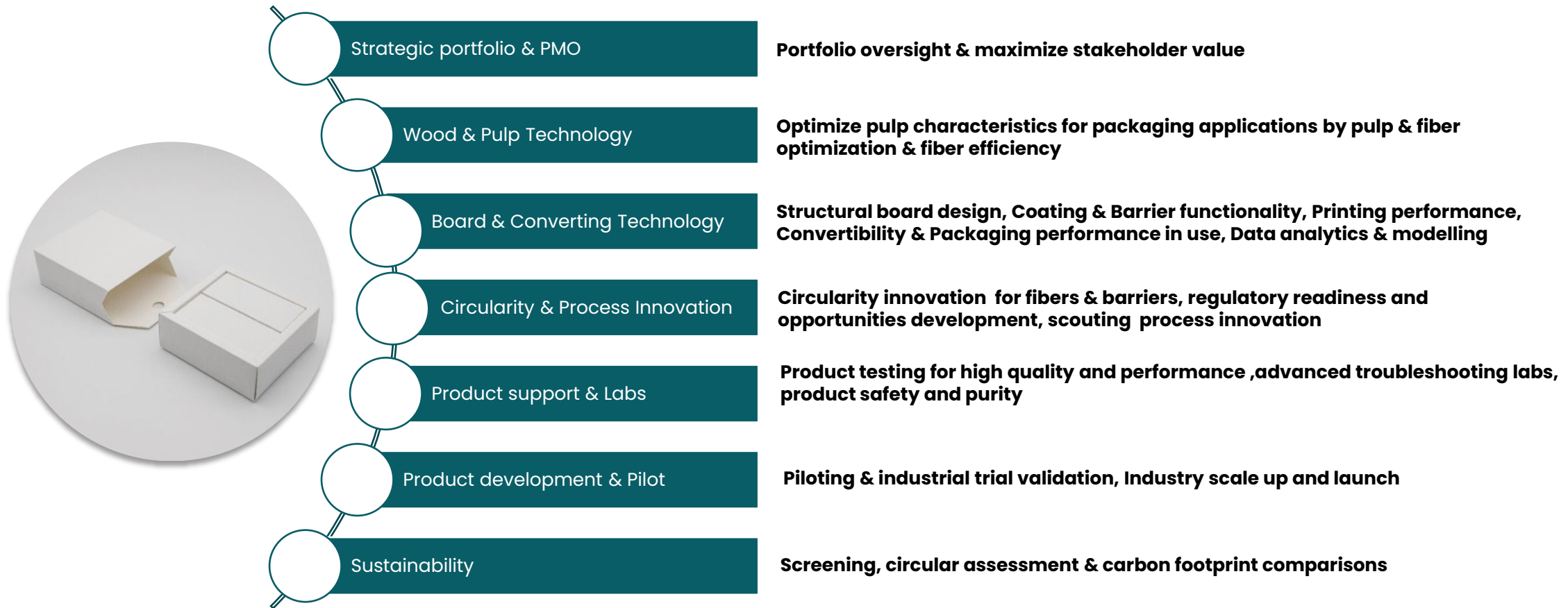
Strategic development plan for sites

- Research Center Karlstad: Research & project coordination focus
- Research Center Imatra: Development & project coordination focus, main location of pilot asset
- Innovation Center Sickla: New business incubation
- Product Development teams with links to all mills



Stora Enso Innovation and R&D

Packaging material experts



Group Innovation and R&D

- Provides all steps under one roof



StoraEnso



Ideation



Material design, testing,
and validation



Piloting



Launch

**Creativity and
External Network**

**Excellence in Execution
& Internal Network**



StoraEnso

Update 2026

ReMatCh

**Recycling Material Challenge
Stora Enso's Research platform
with R&D partner network**

JR

The renewable materials company

ReMatCh, Recycling Material Challenge

Stora Enso's Research platform with wide scientific partner network for future R&D



StoraEnso

- Long term R&D partnership with XAMK
 - ReMatCh/XAMK activities as an example of R&D co-operation
 - Drum pulping, special treatments, polymer layer separation, process development, polymer layer purification
 - Artificial intelligence (AI), fiber-% purity analytics for treated materials, etc.
 - Thesis as considering selected R&D topics are very valuable for all projects



Purified plastics



R&D is Heading into Today's future



StoraEnso

- Stora Enso R&D is heading into future in the field of packaging materials and solutions related
- Continuous thinking of future needs and creating scientific vision and expertise to act
- All solutions in market today are results of years of research – what will be at the market 10 years from now?
- Future directions →



StoraEnso

The renewable materials company

- Thank you!