

Will Stora Enso and Northvolt create sustainable batteries?

Stora Enso and Northvolt will create sustainable batteries using renewable wood from Nordic forests. Credit: #169; Northvolt. Swedish battery manufacturer Northvolt has signed a joint development agreement with Stora Enso to develop wood-based batteries.

What is Stora Enso & Northvolt?

Stora Enso and Northvolt are joining forces to create sustainable batteries using lignin-based hard carbon produced with renewable wood from the Nordic forests. The aim is to develop the world's first industrialised battery featuring anode sourced entirely from European raw materials, lowering both the carbon footprint and the cost.

How will Stora Enso and Altris develop a sustainable battery value chain?

The two companies aim to further advance the development and commercialisation of a sustainable battery value chain in Europe. Together, the two companies will drive the adaptation of Stora Enso's hard carbon solution Lignode #174; as an anode material in Altris' sodium-ion battery cells.

What is Stora Enso?

Stora Enso uses dry lignin to manufacture Lignode #174; and aims to create a European supply chain for the lithium-ion battery industry. Our target is to offer the most sustainable and lowest-impact anode material available, to meet the eco-friendly mindset of future consumers.

Who are Stora Enso & Altris?

Stora Enso has partnered with Altris, a Swedish developer of sodium-ion batteries. The two companies aim to further advance the development and commercialisation of a sustainable battery value chain in Europe.

What is Lignode #174; by Stora Enso?

Lignode #174; by Stora Enso is a sustainable hard carbon derived from lignin, a product from the manufacturing of pulp, to be used as an anode material in both lithium-ion and sodium-ion batteries. It serves as a more sustainable alternative to current incumbent anode solutions.

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advance Stora Enso's strategic direction and build market share in renewable packaging in Europe. The product portfolio complements Stora Enso's offering, especially in fresh produce, e-commerce and industrial packaging. o To generate revenue from a novel, innovative and fossil-free material, Stora Enso and Northvolt have joined forces to

2 ???&#0183; STORA ENSO OYJ INSIDE INFORMATION 11 December 2024 at 12:30 EET. HELSINKI, Dec. 11, 2024 /PRNewswire/ -- Stora Enso's Annual General Meeting on 20 March 2024 resolved that the Board of Directors ...

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Stora Enso works with people and in communities all over the world through our operations, sales and supply chains. In each and every step we take, we consider our actions and their impact on others. Our purpose "Do good for people and the planet. Replace non-renewable materials with renewable products" underpins our belief that everything ...

This is Finland's largest mass timber building and home to Stora Enso's new head office and Solo Soko's Pier 4 Hotel. A scheme of this scale and ambition requires bold collaborative vision. Katajanokan Laituri was spearheaded by the investors, Varma in partnership with Anttinen Oiva Architects and Stora Enso. Architectural vision

The pilot plant aims to respond to the growing demand in the global battery market. Stora Enso uses dry lignin to manufacture a graphite replacement material for the needs of consumer electronics and the automotive industry, among others. Stora Enso is constantly developing solutions to replace fossil-based materials with renewable materials ...

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On 3 November 2021 - we held the webinar: Stora Enso Biodiversity Teach-in for Investors and Analysts. Please find below related material. Biodiversity teach-in Investor presentation. 6.04 MB. Watch the recording of the presentation. Presentation material: Lignode - Making batteries out of trees.

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Lignin is a polymer derived from the cell walls of dry-land plants. It can act as a natural and strong binder. As part of the collaboration, Stora Enso will supply its lignin-based anode material Lignode, while Northvolt will be responsible for the cell design, technology and production processes. Stora Enso Biomaterials executive vice-president Johanna Hagelberg ...

Historien om Nordens skogsindustri består av utveckling och anpassning, och Lignin är en produkt sprungen ur detta innovativa DNA. Vår biobaserade anod revolutionerar batteriindustrin och är tillverkad av en befintlig biprodukt från massaindustri som redan produceras i miljontals ton över hela Europa.

The need for sustainable alternatives to fossil-based materials has never been more urgent. Lignin is an extremely versatile material, providing the second biggest source of renewable carbon on the planet after cellulose. It's a product from the manufacturing of pulp and paper and primarily used as fuel for energy production, lignin has now demonstrated significant potential ...

Stora Enso Division: Biomaterials; Country: Uruguay; Products: Short-fibre pulp; Annual capacity: 750 000 tonnes; Number of employees: 630; Founded: the company was founded in 2009 and the mill was inaugurated in 2014; Address. Montes del Plata Mill Ruta N° 55 Departamento de Colonia Uruguay

Stora Enso is one of the largest private forest owners in the world, with forest assets valued at EUR 8.7 billion (forest land and biological assets) in 2023. Globally, Stora Enso owns or leases land covering a total area of 2.02 million hectares. About 36% of our wood raw material needs are covered from our own sources and long-term supply ...

Stora Enso's Wood Products division is serving the joinery and construction industries by delivering sawn and processed wood products to Asia-Pacific region. Stora Enso is the major European softwood product supplier in this region since many years by offering: Special China grades and dimensions; Landed stock in the market

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