

Press release, 25th May 2022

Stora Enso and Modvion partner to expand the use of wood for wind turbine towers

Stora Enso and wood technology company Modvion are partnering to establish wood as the material of choice for wind turbine towers. The collaboration's purpose is to demonstrate the vast possibilities in using wood in demanding constructions.

"The commitment of Stora Enso to replace fossil-based materials with renewables is a perfect match for Modvion," said Otto Lundman, CEO of Modvion. "To solve the climate crisis, we need more renewable energy as well as increased use of sustainable, wooden constructions. Together with Stora Enso we can enable both."

Modvion builds wind turbine towers with laminated veneer lumber (LVL), which is stronger than steel proportionate to its weight. These towers are built in lightweight modules that are transported on public roads without permits or road reconstructions, making it easier to build taller towers at a lower cost. Taller towers reach stronger winds, leading to more cost-efficient energy production.

"We are proud to enter into partnership with Modvion who, like us, strive to push boundaries and demonstrate the possibilities with wood," said Lars Völkel, Executive Vice President, Division Wood Products, Stora Enso. "As one of the largest sawn wood producers and private forest owners in the world we play an important role in the transformation to a greener society. By contributing our expertise to Modvion we can further help make a difference in mitigating climate change and supporting the EU's drive to increase renewable energy production,"

Furthermore, using wood, a widely available and renewable resource, can reduce the CO₂ emissions for the tower by 90% while also storing carbon dioxide that has been taken up by trees during their growth.

"Our forests are a precious resource and we need to use them wisely. Stora Enso has an extensive knowledge of both sustainable forestry and the qualities of different kinds of wood," said Otto Lundman. "The wood used for advanced constructions such as wind turbine towers can be reused in new wood-based products which provides further long-term climate benefits."

Facts on wooden wind turbine towers

Facts on wooden wind turbine towers can be found [here](#).

For more information, please contact:

Sara Woodgate, Communication Manager, Modvion: +46 72-889 62 46,
sara.woodgate@modvion.com

Otto Lundman, CEO, Modvion, +46 702-72 06 24, otto@modvion.com

Cathrine Wallenius, SVP Communication and marketing, Stora Enso division Wood Products:
cathrine.wallenius@storaenso.com, +46 (0)70 209 2429.

Press photos

High-resolution press images from Modvion can be found [here](#).

About Modvion

Swedish wood technology company Modvion develops demanding designs made of laminated wood, nature's carbon fibre, for large-scale applications. Wooden designs enable radical reductions in emissions by replacing emission-heavy material such as steel and concrete. Thanks to their patented module system, Modvion has been able to develop wind towers at decreased manufacturing costs and

more efficient transportation for installations of tall towers. The operation is part-financed by the Swedish Energy Agency, the Västra Götaland region and the EU program Horizon 2020 EIC Accelerator.

About Stora Enso

Part of the global bioeconomy, Stora Enso is a leading provider of renewable products in packaging, biomaterials, wooden construction and paper, and one of the largest private forest owners in the world. We believe that everything that is made from fossil-based materials today can be made from a tree tomorrow. Stora Enso has approximately 22,000 employees and our sales in 2021 were EUR 10.2 billion. Stora Enso shares are listed on Nasdaq Helsinki Oy (STEAV, STERV) and Nasdaq Stockholm AB (STE A, STE R). In addition, the shares are traded in the USA as ADRs (SEOAY). [storaenso.com](https://www.storaenso.com)