



StoraEnso

08 Sep 2024

Partner of Stora Enso

Nordic World Ski Championship's Pavilion 2023 Planica, Slovenia



Take a look at our dismountable pavilion CBD is recycling into a super-low carbon family home, squash court and even a motorcycle race track!

In early 2023, Stora Enso was once again the presenting sponsor for the FIS Nordic World Ski Championships at Planica, Slovenia. To welcome the guests and the athletes, they constructed a flexible space and promotional pavilion showcasing sustainable wood products and the latest in climate-smart design. As a leading provider of renewable products in packaging, biomaterials, and wooden construction and one of the world's largest private sustainable forest owners, it's no surprise that Stora Enso has also developed a temporary pavilion based on circularity design principles.

All of the building materials for this pavilion are 100% sustainable and were designed to be collapsible or removable so they could be and repurposed for other construction projects after the 11-day championships. The architects, studio abiro and the team at CBD, d.o.o. worked closely with Stora Enso in the design process to find innovative ways to build while keeping the original wood products as unchanged as possible so they could be used in other buildings after the event.

The accordion rooftop, for example, used [Sylva™ by Stora Enso](#) CLT Roofs to interconnect and transfer the structure's load-bearing weight with the Sylva™ LVL Beams and Columns down into the foundations with all the simplicity of a house of cards that cleverly mirrors the surrounding mountains and playfully suggests a ski jump. Each panel maintained its production dimensions, and drilling and inserts were kept to a minimum so they could be fully demountable and reused.

The 700 m² decking and slatted wall elements were constructed using Sylva CLT Walls, which stiffened the structure by acting as shear walls.

[ThermoWood®](#) was added for cladding. ThermoWood® is produced using completely natural methods, heating and steaming redwood without harmful chemicals. The thermal treatment improves the wood's properties, opening it up to a wide range of applications and allowing it to withstand very demanding weather conditions. Like all the other components, it will also be disassembled and reused in a number of other building projects including exterior railings at a squash court.

In a world where construction and demolition waste accounts for a third of all the garbage, Planica offers a sustainable alternative. While the idea is not new it is catching on! We're seeing more and more examples of temporary structures being built this way, including some of the pavilions and [stands for the Summer Paris Olympics](#), B&K Structure's [Noma Pavilion](#) and the [UK Pavilion at the Expo 2025 Osaka](#) to name just a few recent ones.

And we are also seeing more permanent structures being designed for reuse, such as the [Bourdonnières School in La Verrie, France](#), which is designed so it can be dismantled and reused by future generations.



General

Delivery year

2024

Building type

Others

Area (m²)

140

Storeys

1



Photo credit: Stora Enso/Miran Kambič



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Products

Products

Sylva™ CLT Floors and Roofs, Sylva™ CLT Walls, Sylva™ LVL Beams and Columns, ThermoWood®

Product quality

CLT 60m³, LVL 22m³ Varkaus, Thermowood 50m³ from Launkalne

Product volume (m³)

136

Number of deliveries

4



Photo credit: Stora Enso/Miran Kambič



Team

Partner of Stora Enso

CBD

Developer

Stora Enso

Architect

studio abiro and arhitekturno načrtovanje, d.o.o

Main contractor

CBD, d.o.o.



Photo credit: Stora Enso/Miran Kambič



Others

Construction duration (months)

4



Photo credit: Stora Enso/Miran Kambič



Photo credit: Stora Enso/Miran Kambič

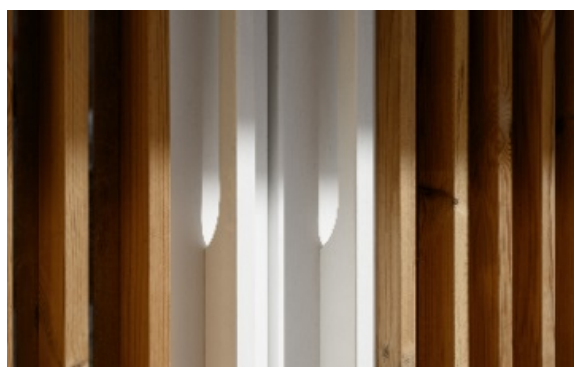


Photo credit: Stora Enso/Miran Kambič



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