

Wisdome Stockholm facts

Official start of construction: 2022

Opened: December 2023

Location: Sweden's National Museum of Science and Technology, Stockholm

Building size: 1,325 m²

Dome size: 21.6 m in diameter, 12.2 m high

Materials by Stora Enso: CLT: 650 m³ LVL: 850 m³

Number of seats in dome theatre: 100

Main partner and supplier of wood materials: Stora Enso AB

Architect: Elding Oscarson

Specialist Timber contractor: Blumer Lehmann AG

Construction contractor: Oljibe

Partners: Ericsson, Vectura, NIBE

Financiers: Wallenberg Foundations, Erling-Perssons Foundation, Stora Foundation, Fritz Öst Foundation

The roof's chequerboard construction, composed of 25 layers of 31 mm thick beams, utilises 20 kilometres of precision shaped Sylva LVL beams, precisely assembled on-site with a remarkable margin of error of less than 1 millimetre.

The dome is crafted from 277 unique triangles made from CLT produced at Stora Enso's Gruvön site in Sweden.

1,178 tonnes of carbon dioxide were removed from the atmosphere when the trees were growing and stored in the wood over the lifetime of Wisdome.

It takes only a couple of minutes for the same amount of wood used in the building to grow back in the Swedish forests on a summer day.