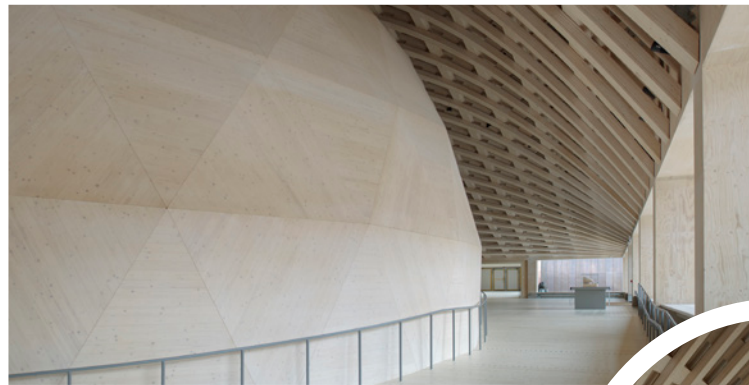


WISDOME | STOCKHOLM (SE)

WOOD CONSTRUCTION



Pictures © Anna Gérden, Tekniska Museet

Client

Tekniska Museet, Stockholm, Sweden

Architect

Elding Oscarson Arkitekter, Stockholm, Sweden

Construction Management

Oljibe AG, Stockholm, Sweden

Year of construction

2022-2023

Planning contract

Engineering of the timber structure, including development of details and execution design.

Project description

The «Wisdome» is an extension of the Tekniska Museet in Stockholm, with an innovative freeform roof. Due to sponsorship, the main material for the timber structure was LVL and CLT from Stora Enso. The roof structure is a bent on-site timber gridshell, constructed out of five crossing layers supported by pre-tensioned timber columns and spans with a maximum of about 47 metres. The layers each consist of 5 lamellas of LVL, which were bent on-site into shape and held in place by wooden dowels and screws enabling loads to be transferred via contact. A part of the Wisdome project was also the inner dome, which has a diameter of approximately 20m, is completely made of CLT panels and will house a 3D-cinema.



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