



Photo: Anders Bergön



Stadshus Växjö

Växjö, Sweden

The "wooden city" of Växjö is considered the "greenest city in Europe": Växjö's new Stadshus combines the town hall and the railway station – wood plays a supporting role. The station part on the ground floor houses waiting rooms, shops, restaurants and a public part called "Växjö's living room", which is intended to serve as an open meeting place. From the first floor onwards, there are over 600 workplaces in the town hall.

Binderholz Bausysteme supplied the beams, columns and ceilings for the building, which was constructed using the skeleton construction method. A total of 4,200 m³ of timber was used. During the construction period, a huge tent enclosed the Stadshus to be built, which meant that the building material could be processed quickly, protected from the weather, and also provided a good working environment.

The Stadshus offers an interplay of wood and glass. The large pitched roof reduces the building envelope and thus ensures lower energy consumption. Energy efficiency was a basic requirement for both construction and operation. District heating and cooling and a photovoltaic system supply the building. Another goal was to promote public transport and thus contribute to Växjö's goal of climate neutrality by 2050.

Technology Award

Binderholz Bausysteme GmbH for the structural design

Companies involved

Building owner

- City of Växjö, Växjö

Client

- Skanska Sverige AB

Structural design

- Binderholz Bausysteme GmbH

Execution

- Flexrock Sverige AB

Architecture

- Sweco Architects

Facts

Railway station and town hall

- Completed 2021
- Total area: 16,400 m²

Characteristics

- Total heat demand: 21kWh/m²a
- Total cooling: 20kWh/m²a
- Total energy demand: 106 kWh/m²a

Energy and environmental aspects

- Solid wood construction with cross laminated timber BBS and glulam from binderholz
- Rapid processing of the timber components under a large construction tent
- Low energy consumption
- District heating/cooling
- Photovoltaic system
- Ventilation system from FTX units

Building labels and awards

- Miljöbyggnad gold (Excellent)



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