Weber Commercial Logistics Warehouse, Seewen

01.05.2024

Thanks to the innovative TS3 system, valuable headroom was saved in the Arthur Weber AG logistics warehouse, and the wooden structure was efficiently erected without interrupting operations. This groundbreaking construction method creates sustainable, cost-effective, and versatile buildings.

The Project

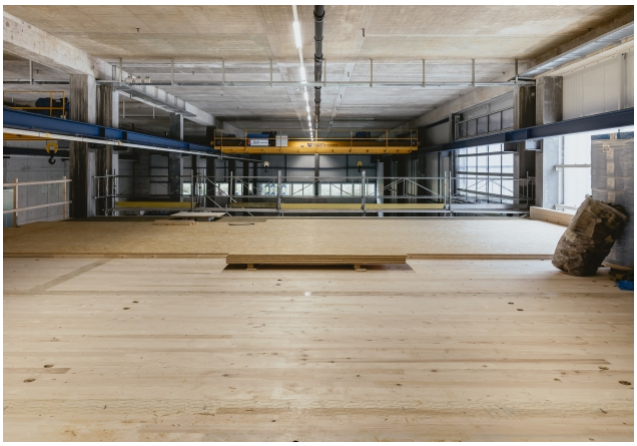
Arthur Weber AG needed additional storage space in its existing logistics warehouse. The TS3 system allowed for significant height savings, as the beams were eliminated, while simultaneously maximizing flexibility in the use of floor space. The wooden structure was erected while operations continued and was quickly handed over to the owner. The total gross floor area is 1,700 m², with 292 running meters of TS3 joints poured.

The Construction Method

280 mm CLT panels were placed on wooden columns and rigidly connected using TS3 technology, resulting in a pure column-panel structure. The 6.3 m x 5.5 m column grid provides a flexible floor plan for future repurposing and optimal space for the shelves

The Challenges

The CLT panels had to be installed in the existing hall while operations were ongoing.



Construction data

- Number of floors: 2
- Gross floor area: 1,700 m²
- Cross-laminated timber: 476 m³
- TS3 technology: 292 m¹
- Column grid: 6.3 m x 5.5 m

Architecture
Marty Architektur AG, Schwyz

Client
Arthur Weber AG, Seewen

Timber engineer
HTB Ingenieure AG, Rapperswil-Jona

Timber construction
Schmidlin Holzbau AG, Steinen

CLT Manufacturer

Schilliger Holz AG, Küssnacht