

KIJUZU, Zuchwil

2022



The new "Kijuzu am Wald" timber-frame building expands childcare options in the municipality of Zuchwil. Thanks to innovative TS3 technology, the joists originally planned were no longer necessary, while the generous use of wood creates a warm and inviting atmosphere.

The Project

The new "KIJUZU am Wald" building, an extension to the existing children's and youth center in northern Zuchwil, will create much-needed space for childcare. The spacious new building, which includes rooms for children's groups, a lunch program, and a pre-kindergarten, offers approximately 600 m² of space for daycare for toddlers and school-age children. Operations are scheduled to begin in fall 2022.

Construction Method

The entire building is designed as a timber structure and has no basement. The interior walls and individual wooden columns in the exterior wall area are load-bearing. All structurally relevant components are designed to accommodate a future building addition with an identical floor plan, which can be carried out at a later date. Thanks to the bi-axially load-bearing TS3 flat slab, the initially planned joists could be omitted throughout the building. The 210 mm thick CLT panels are treated at the factory with a colorless UV-protective coating to prevent the wood from darkening significantly indoors.



Floor plan Kijuzu



Visualization extension

Construction data

- Number of floors: 1
- Gross floor area: 599 m²
- Cross-laminated timber: 178 m³
- TS3 technology: 329 m³

Architecture

Arnet Architektur AG, Zuchwil

Client

Municipality of Zuchwil

Timber engineer

Beer Holzbau AG, Ostermundigen

Timber construction

Beer Holzbau AG, Ostermundigen

Construction management

Probst Architekten AG, Zuchwil

CLT Manufacturer

Schilliger Holz AG, Küsnacht