

Primary school and kindergarten, Mettmenstetten

2025



The new school building in Mettmenstetten was planned and constructed in a short period of time. Timbatec Holzbauingenieure was commissioned with the planning at the end of 2023, and the school opened its doors around 22 months later.

The project

To expand the school space in Mettmenstetten, a two-story primary school and kindergarten with a floor plan measuring approximately 13 m x 40 m was constructed using timber. The two-story building does not have a basement. It has a height of approximately 7.8 meters and is designed so that an additional story can be added. The entrance area is covered by a supported single-story canopy. The building contains four classrooms with their respective group rooms, one staff room, four storage rooms, two technical and cleaning rooms, toilet facilities, and an elevator. Timbatec was responsible for the timber construction, fire protection, and solid construction planning.

The construction method

Every 2.6 meters, joists span two fields and also form the canopy against the soccer field by means of a cantilever. Cross-laminated timber ceilings are inserted between the joists. The joists stand on supports and are thus partially decoupled from the walls. The walls were constructed as timber frame walls, which also ensure the bracing of the building. The stairs, the vertical escape route, and the elevator shaft were constructed as encapsulated cross-laminated timber elements.

The challenge

Timbatec was commissioned at the end of 2023. The tender for the timber construction was issued at the end of May 2024, and construction began in January 2025, so that the school could start operating after the 2025 summer holidays. Planning and coordination had to be carried out in this short period of time, while always taking into account the possibility of a later extension.



Group room

Construction Data

- Construction volume: 4160 m³
- Usable floor space: 600 m²

Construction costs

- Timber construction BKP 214: 900'000 CHF

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 41 Tendering and comparison of bids
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Specialist fire protection planning



Photos: eins Architekten AG

Building owner

Bauamt Gemeinde Mettmenstetten
8932 Mettmenstetten

Architect

eins Architekten AG
8600 Dübendorf

Client

eins Gruppe
8600 Dübendorf

Timber construction

DM Bau AG
9463 Oberriet SG

Building physics

brauneroth ag
8406 Winterthur

Construction management

Naef & Partner Baumanagement AG
8001 Zürich