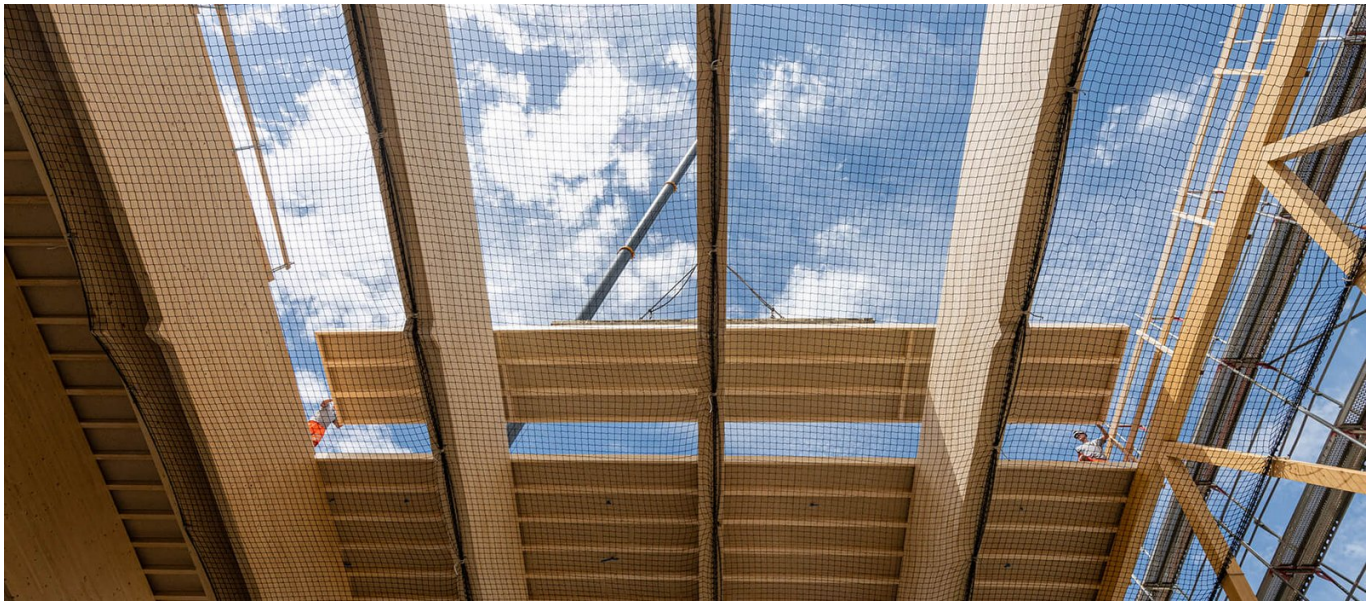
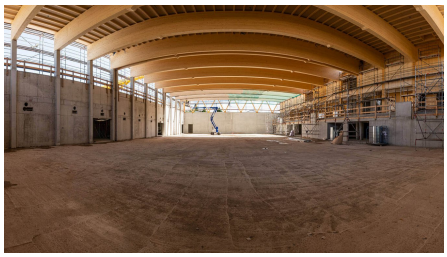
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Reference

Neubau Mehrzweckgebäude Alterswil









SHORT DESCRIPTION

The Alterswil multi-purpose building is an important part of the Alterswil municipality's infrastructure. It is used for school lessons, sports, events and other purposes.

THE PROJECT

The Alterswil multi-purpose building consists of two parts. A school wing with classrooms and group rooms and a triple gymnasium. The school wing has two storeys and is separated by a timber-concrete composite ceiling. The interior wall elements are clad with visibly screwed three-layer panels. The classrooms have a suspended ceiling in order to achieve good sound insulation values within a room.

Eleven 33 m long, 2 m high and 40 cm thick glulam trusses span the triple gymnasium. The roof ends are formed by 17 m long roof elements, which were prefabricated in the factory in Rümlang with a finished soffit.

Vertical, double-glazed timber cladding forms the tight building envelope on the outside. The façade is rear-ventilated to prevent heat build-up behind the façade.

SERVICES IN DETAIL

- Work planning, exterior and interior walls in timber element construction with visible three-layer panels
- School wing: floor slabs and roof as timber-concrete composite, suspended soundproof ceiling in classrooms
- Gymnasium: roof elements prefabricated in the factory, timber-clad gymnasium wall with sound insulation panels, assembly of entire supporting structure and large 33 m long trusses
- Wooden façade incl. substructure

CHALLENGES

Coordination of factory planning and HVAC for production plans Scheduling of supporting structure, wall elements and glulam trusses Coordination of various trades for the wood-concrete composite ceiling Gym wall cladding with wood acoustic panels.

SUSTAINABILITY

The timber for the supporting structure and the glulam trusses comes from the immediate vicinity of Alterswil and was also processed in a nearby sawmill. A total of approx. 850 m^3 of wood was used for our services.

FURTHER INFORMATION

To the blog post: Wood, the sustainable building material - also in Alterswil

FACTS

Location	Oberdorfstrasse 19, Alterswil , Switzerland
Status	completed
Construction volume (value of our services)	2.2 M CHF
Start of construction	June 2021
Completion	December 2022
Building owner	Gemeinde Tafers, Schwarzseestrasse 5, 1712 Tafers
Architect	bauzeit architekten GmbH, Falkenstrasse 17, 2502 Biel/Bienne
Civil engineer	neue Holzbau, Obseestrasse 11, 6078 Lungern
Timber construction	Geschosse 2 Geschosse beim Schultrakt Dreifachturnhalle Höhe 22.5 m

SERVICES

Timber construction

https://implenia.com/en/references/detail/ref/neubau-mehrzweckgebaeude-alterswil/

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