

Commercial construction

Trinova, Wangen SZ

2020



The company Trinova Nutrition Holding AG in Wangen received a new building made of wood. Timbatec planned the building with 4 floors.

The project

The company Trinova Nutrition Holding AG has grown strongly in the past. The previous company headquarters became too cramped and had to be replaced. The new office building consists of 4 full floors above ground. Three floors and an attic floor form the structure with a slightly protruding staircase. The new building was constructed from Swiss timber using a prefabricated construction method. Timbatec was also responsible for the sound insulation.

The construction

The entire building, including the staircase, was planned as a timber frame construction. The core was made of CLT panels, the floor slabs of horizontal glulam.

The challenge

Due to the soft foundation soil, large forces had to be applied in the event of an earthquake. Combined with the continuous window strips, the bracing had to be solved using a prestressed core made of CLT panels.



Originator: Kost wood construction and overall construction



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Pretensioning, picture Timbatec AG

Construction Data

- Glulam: 374 m³
- CLT panels: 97 m³
- KVH: 70 m³
- Gross floor area: 1'800 m²

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- SIA Phase 53 Commissioning
- Statics and construction
- Fire protection planning
- Technical planning building physics
- Fire protection Quality assurance QSS2
- Technical site management and site inspections

Client

Trinova AG
8855 Wangen

Architect

Kost Gesamtbau AG
6403 Küssnacht am Rigi

Timber construction engineer

Timbatec Holzbauingenieure (Schweiz) AG Zurich
8005 Zurich

Timber construction

Kost Holzbau AG
6403 Küssnacht am Rigi

Civil engineer

HTB Ingenieure AG
8808 Pfäffikon SZ

Building physics

BEG Bürli
6343 Rotkreuz

Building physics

Timbatec Holzbauingenieure (Schweiz) AG Zurich
8005 Zurich

Construction management

Kost Gesamtbau AG
6403 Küssnacht am Rigi

Photography

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6403 Küssnacht am Rigi