# New construction warehouse Comestibles Pernet, Zweisimmen

2007





Construction of a production and storage hall for the company Pernet in Zweisimmen. The execution planning and realization was carried out by the company Hector Egger in Langenthal as general contractor.

# The project

For this hall, our engineering office created and optimized the structural concept. The structural concept had to be adapted in such a way that the production process of the Pernet company could be organized efficiently and smoothly. The upper floor of the hall is used as a warehouse, which means large permanent loads.

## The construction method

Due to these weight masses and also because of the spans of up to 7.70 m, the main supporting structure consists of steel beams up to profile size HEB 500, which transfer the loads to wooden columns. The floor elements are made of box girders. The steel beams have been integrated into the ceiling system (REI30) so that the fire protection of the steel beams can be guaranteed.





Meeting room



Bearing

### **Construction Data**

- Beams Maximum span 7.7 meters
- Main structure: steel beams up to profile size HEB 500

## **Services of Timbatec**

- Statics
- Bracing
- Fire protection for wooden components
- Details/detailed solutions
- Accompanying and consulting contractor/architect
- Construction site inspections



Detail view facade



Production

Timber construction**contractors**Hector Egger Holzbau AG
4900 Langenthal

# **Timber construction engineers**

Timbatec Holzbauingenieure Schweiz AG, Thun 3600 Thun

### Client

Pernet Roland AG 3770 Zweisimmen

### Architect

Atelier Werkidee, Matthias Trachsel 3770 Zweisimmen

