

# New construction of Uetendorf workshop, Uetendorf

2006

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As part of the renovation of the Werkhof Uetendorf, the need for additional rooms was identified. These rooms were planned in an additional two-story building.

## The project

The upper floor of the new building was mainly used as additional office space, while the ground floor was used as a vehicle parking garage. The timber construction engineering services at the work yard included the structural analysis, the tendering as well as the works planning of the timber construction.

## The construction method

The new upper floor was built as a wooden structure and placed on top of the reinforced concrete ground floor. The entire building was constructed to the Minergie standard. The walls were prefabricated in the factory in timber frame construction with an insulation thickness of 240 mm. A large-format Eternit slate panel (Swisspearl) served as the facade cladding. For the factory planning, this was provided to the contractor in the form of a CAD-3d model with all the required machining. The interior cladding of gypsum fiberboard was installed on site. The roof was constructed as a simple beam layer. The basis for the sloping insulation above is a three-layer board, which was also used as a stiffening layer.



Office building entrance



Erect



Roof/window front



View

#### Construction Data

- Minergie standard
- BSH Gl24h 11.5 m<sup>3</sup>
- Frame construction scantlings 9 m<sup>3</sup>
- Eternit facade 90 m<sup>2</sup>
- Dimensions 20 x 7.5 m

#### Services of Timbatec

- Statics execution plans

#### Client

Office for Real Estate and Buildings  
3011 Bern

#### Architect

HMS Architektur und Planung  
3700 Spiez

#### Timber construction engineers

Timbatec Holzbauingenieure Schweiz AG, Thun  
3600 Thun

#### Timber constructors

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3066 Stettlen