

# Mill yard barn, Hausen am Albis

2020

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In Hausen am Albis stands the listed barn. With the renovation two new apartments could be realized.

## The project

Two new apartments were built into the existing listed barn. In the fire protection concept, the two apartments were considered as single-family houses, which are separated by a fire wall REI60. Thus, the installation could be carried out with few fire protection measures and yet very safely. The roof structure of the existing building was structurally strengthened where necessary and the new loads were applied to a newly installed concrete ceiling.

## The construction

Above the basement, a new concrete ceiling was installed as an intercepting ceiling. On top of this, two floors were built in timber construction, completely detached from the existing roof structure.

## The challenge

An installation in the existing structure without dismantling the roof or the exterior walls must be neatly planned and coordinated. In addition, it is very important in such projects to reach the goal with technically simple fire protection concepts.



The interior

### Construction Data

- Listed building

### Services of Timbatec

- SIA Phase 11 Condition analysis
- SIA Phase 21 Structural analysis
- 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
- Fire protection Quality assurance QSS1
- Technical site management and site inspections



before the reconstruction

### Architect

2ECK Architekten 6340 Baar

### Client

Astrid and Daniel Dieth 8915 Hausen am Albis

### Timber construction engineer

Timbatec Holzbauingenieure Schweiz AG 8005 Zurich

### Timber construction

Burkard AG trilegno 5644 Auw