

# Densified building in the small town, Lenzburg

2014

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More living space is in demand not only in the large centers, but also in smaller towns that are steadily increasing their population. Take Lenzburg, for example. In order to create more apartments, a commercial building was extended by two floors in timber construction.

## The project

The commercial building of E. Häusermann AG is located near the railroad station in Lenzburg. On top of the existing building, two new residential floors have been realized in timber construction. In addition, a generous roof terrace with a view of Lenzburg Castle was built at the top. The challenge The client wanted modern, large apartments of high living quality. The solid staircase core was extended by three floors and, together with the floor slabs in timber construction, takes over the stiffening of the building.

## The construction method

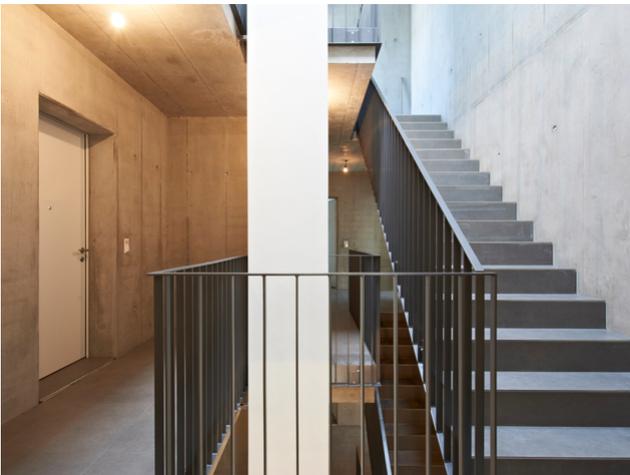
The ceilings of the extension were realized as box girder elements, which have a very low weight. This meant that large spans could be bridged and supports in the middle of the rooms were not necessary. The boundary between old and new is also emphasized: The cube with the newly constructed floors protrudes slightly, so that the extension stands out strikingly from the existing building.



The striking overhang emphasizes the boundary between old and new



The commercial building before the extension



View of the staircase



Spacious roof terrace with view of Lenzburg

#### **Construction Data**

- Residential floors in timber construction
- Ceilings are box girder elements
- Large spans without supports

#### **Services of Timbatec**

- Statics and construction
- Fire protection planning

#### **Timber construction**

Hector Egger Holzbau AG  
4901 Langenthal

#### **Client**

E. Häusermann AG  
5600 Lenzburg