

# Avellana residential development, Schwamendingen

2012



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## The project

The housing cooperative Wogeno realized the residential development "Avellana" in Schwamendingen on a narrow, long plot with a slight slope, consisting of a new building and a replacement building in place of a barn. The realized project emerged from a competition. A total of 17 new, extremely attractive residential units were created in the two buildings.

## The construction

The new building is constructed in timber throughout from the floor slab onwards - with the exception of the curtain-type balconies in steel construction. The new replacement building for the barn had to be constructed again in the same volume for reasons of monument preservation. Thus, the first floor was realized in solid construction, the two upper floors in timber construction.

## The challenge

Due to the difficult space situation and expensive soil conditions, the new building was adapted as optimally as possible to the plot boundaries. This resulted in the elongated structure of the new building, which meanders somewhat up the slope. This special geometry presented the project team with many challenges during the planning and execution phases.



Living room view towards dining room/kitchen



Dining room/kitchen view towards living room

### Construction Data

- Structural timber BSH/RBK: 150 m<sup>3</sup>
- Laminated boards: 3'400 m<sup>2</sup>
- gypsum fiberboards: 2'400 m<sup>2</sup>
- wood fiber boards: 1'000 m<sup>2</sup>

### Services of Timbatec

- SIA phase 31 preliminary project
- cost estimate
- Structural analysis and design
- SIA Phase 32 Construction project
- SIA Phase 41 Tendering and comparison of offers
- SIA Phase 51 Implementation project
- Works planning 3D and 2D
- Site supervision and site inspections

### Contractor

Burkart AG tilegno  
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### Architect

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### Client

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