

# Renovation of Hörnli restaurant, Baden

2024



In the run-up to the architectural contract for the restoration of the medieval building «Zum Gelbhorn» in the spa district of Baden, the canton of Aargau ordered a thorough archaeological investigation of the building. This revealed a history of over 400 years.

## The project

Prior to awarding the architectural contract for the restoration of the medieval building «Zum Gelbhorn» in the spa district of Baden, the canton of Aargau ordered a thorough archaeological investigation of the building. This revealed that the building had a history stretching back over 400 years. Analysis of dendrochronological samples dated the oldest wooden beams to 1558. After several renovations, the building had to undergo a complete refurbishment. Many of the existing floor slabs and all of the installations had to be renewed or replaced.

## The construction method

The building was constructed using the methods typical of the period, with walls made of quarry stone and floors supported by wooden beams. The attic, a horizontal truss, was constructed entirely of wood.

## The challenge

All floor slabs showed significant defects due to repeated modifications and had to be reinforced, extended, or modified. A supporting structure that meets today's requirements had to be installed in the existing, winding building.



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- SIA Phase 52 Execution
- SIA Phase 53 Commissioning
- SIA Phase 41 Tendering and bid comparison
- SIA Phase 32 Construction project
- SIA Phase 31 Preliminary design
- SIA Phase 21 Structural review
- SIA Phase 11 Condition analysis
- Statics and construction
- Specialist planning fire protection
- Fire protection Quality assurance QSS2
- Cost estimate
- Construction management and site inspections

#### **Architect**

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#### **Timber construction**

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#### **Photography**

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