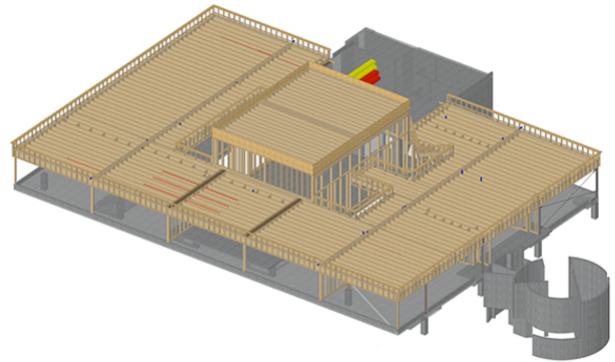
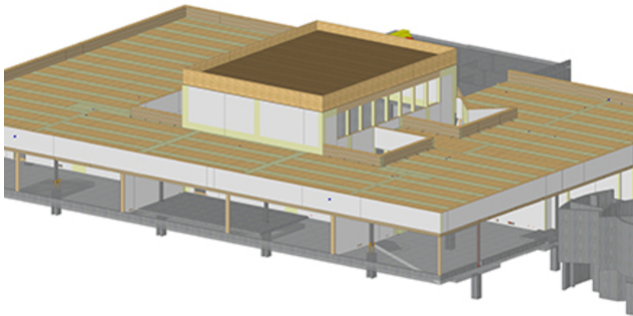


# Increase Bell AG, Basel

2013



At Bell AG on Elsässerstrasse in Basel, new offices and an auditorium were built on the 5th floor, above the existing production facility.

## The project

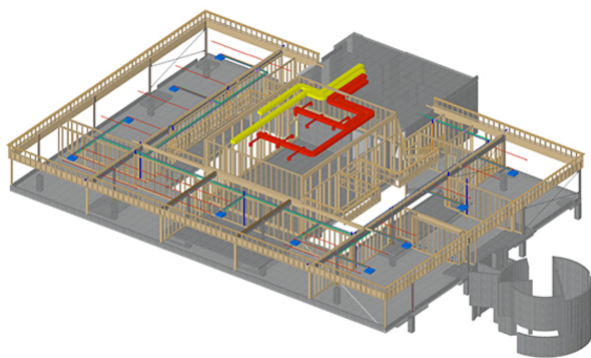
The initial situation The building was a reinforced concrete structure with mushroom ceilings and restrained columns. The column grid of 9m also had to be maintained for the extension. The challenge Due to the high loads, the primary structure was realized in steel and the roof elements in timber construction.

## The construction

In addition, an auditorium for 120 people with dimensions of 12 x 15 m is located in the center of the extension. The roof elements, which were designed as box girders, span the entire 12 m without intermediate supports. The roof structure consists of extensive greenery.

## The challenge

The earthquake bracing posed a great challenge, since the Basel location is considered particularly vulnerable and the geometry of the roof, with 2 inner courtyards, is very twisted.



Integrated building services planning

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Ceiling atrium with 12m span

**Timbatec**  
Timber and Technology



Primary steel structure

### Construction Data

- 16'000 kg Steel structure
- 226 m<sup>3</sup> Wood consumption incl. panels
- 1'230 m<sup>2</sup> Roof area

### Services of Timbatec

- SIA Phase 32 Construction project
- SIA Phase 51 Implementation project
- Work planning 3D and 2D



Wooden ceiling with 9m span

### Client

Bell Schweiz AG  
4056 Basel

### Architect

Koehlin Schmidt Architekten  
4052 Basel,

### Timber construction engineer

Timbatec Holzbauingenieure (Schweiz) AG Bern  
3012 Bern

### Timber construction

Hector Egger Holzbau AG  
4900 Langenthal