

# Bernapark extension, Deisswil

2020

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New life is being breathed into the former cardboard factory in Deisswil near Bern. Thanks to the multi-storey addition of wooden floors and the conversion of the existing factory buildings, a new quarter is being created.

## The project

In Deisswil near Bern, more than 250 employees once produced cardboard for the whole of Switzerland before those responsible shut down the machines in 2010. Today, a new quarter is being built with 173 apartments for around 300 residents and 25,000m<sup>2</sup> of office and commercial space. The venerable factory buildings are still of good quality. They were therefore not demolished, but refurbished and converted, as well as extended by two floors with a wooden extension. Thus, a new diverse quarter was created.

## The construction

The listed factory buildings consist largely of reinforced concrete structures with large window fronts. For the extension, wood was used almost exclusively: all walls and floor slabs are made of prefabricated wooden elements.

## The challenge

The extension has always had to adapt to the winding factory buildings. Consequently, transferring the acting forces is not entirely trivial. The structural engineers defined points where the forces of the addition were allowed to be introduced. Different load-bearing directions of the floor elements with sometimes large spans were the result. Stuberholz called in Timbatec for the development of the demanding structural analysis concept and for quality assurance.

[For more information, visit www.bernapark.ch.](http://www.bernapark.ch)



Aerial view during erection



Aerial view of the finished building



Balcony view



Interior view of the finished apartment

### Construction Data

- 173 apartments

### Construction costs

- BKP 1-9: approx. 55 million Swiss francs

- BKP 214: 7 million francs

### Services of Timbatec

- SIA Phase 32 Construction project

- SIA Phase 51 Implementation project

- SIA Phase 52 Execution

### Client

Bernapark AG

3066 Stettlen

### Architect

GHZ Architekten AG

3123 Belp

### Timber construction engineer

Timbatec Holzbauingenieure (Schweiz) AG Bern

3012 Bern

### Timber construction

Stuber & Cie AG

3054 Schüpfen

### Civil engineer

ingenta ag

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### GU/TU

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