

# New Construction of the Lido Hopfräben, Brunnen

2021

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The entrance area of the Lido Brunnen has been redesigned. Large-format cross-laminated timber panels cover the entrance area. The use of TS3 technology for the end-joint grouting allows for a wide column spacing.

## The Project

The popular Lido Hopfräben was showing its age, which is why the outdoor facilities underwent a comprehensive renovation. As part of this project, three cantilevered roofs using TS3 technology were constructed over the service and changing room buildings. An organically curved main roof accentuates the inviting entrance and provides shade for the restaurant's seating area. The sustainable and cost-effective timber construction and the structured layout of the spaces ensure comfortable use and efficient operation.

## The Construction Method

Thanks to the joint grouting on the front edges of the CLT panels, the roofs appear to float. The CLT panels rest on slender supports arranged in an 8x8-meter grid.

## The Challenges

The beach pavilion roofs were poured in winter at low temperatures. Therefore, winter construction measures were implemented during the pouring process.



Covered bistro in the lido



Bird's eye view of the lido



Outdoor area



Checkroom area lido

### Construction data

- Number of floors: 1
- Gross floor area: 899 m<sup>2</sup>
- Cross-laminated timber: 163 m<sup>3</sup>
- TS3 technology: 265 m<sup>3</sup>

### Architecture

steiner ARCHITEKTUR.ch, Brunnen

### Client

Municipality of Ingenbohl-Brunnen

### Timber engineer

Besmer Holzingenieure GmbH, Sattel

### Timber construction

Dettling Holzbau AG, Ingenbohl

### Construction management

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### Photography

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### CLT Manufacturer

Schilliger Holz AG, Küssnacht