

# Aubrugg timber art bridge

Opfikon, CH



## Project details

Client	Town of Opfikon
Architecture	Création Holz, Hermann Blumer
Project type	Art and culture
Construction type	Free Form
Services	Timber construction
Construction	2016
Locality	Opfikon
Country	Switzerland

## A unique structure

The design for the bridge was originally rejected in 1991 on the grounds that it was infeasible. 23 years later, the burnt-down timber bridge was replaced by the timber art bridge that uses a revised design by Hermann Blumer. The artfully curved, new pedestrian bridge spans 38 m and weighs 40 t.

The bridge's main support consists of six continuous arches – one floor arch each on the left and right, left and right pressure arches and the attached side arches. The upper arches absorb the compressive forces and the lower ones the tensile forces. The intersections of the main arches are particularly impressive. The combination of modern joinery technology and highly advanced engineering skills means that they consist of wood-wood joints.

Glue-laminated larch was used for the entire support structure. The pedestrian surface is made of oak from the local forest. A white membrane roof made of a high-tech foil covers the entire bridge. All the components were custom made as individual parts.

## Specific Contact



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The Aubrugg timber art bridge viewed from the inside. View of curved solid wooden structures and high wooden railings.



Oak from the local forest was used for the pedestrian surface.



The strikingly curved timber bridge combines modern joinery technology and highly advanced engineering skills.

The roof of the timber art bridge consists of a white high-tech foil.