

Reference projects

Special structures and noise barriers



Ballenberg viewing platform, Hofstetten BE

The 25-meter-long treetop walkway adds another attraction to the forest playground in Ballenberg. The platform stands up to 9 meters high on round logs. Timbatec prepared the structural analysis for this project., Hofstetten BE



City Park Pavilion, Uster

Cleverly designed | sustainably built. Timbatec contributed its expertise in timber structural engineering, L-bracket optimisation and construction details – with a focus on circular economy and minimal use of fasteners., Uster



Construction of a canopy in wood, Chamblon, VD

The new parking and cleaning area at the end of the day on Place de Chamblon was built with a wooden roof based on the origami principle. CLT and TS3 panels made this principle possible., Chamblon, VD



New construction of Altberg observation tower, Dänikon

First prize in the project competition Tower Altberg! A wooden tower with a palisade-like column arrangement on the diagonals of the foundation, a staircase opening upwards and a roofed viewing platform at a good 30 m height., Dänikon



Limeco Hybrid Power Plant, Dietlikon

Limeco's new power-to-gas plant makes a positive contribution to climate change. It will produce renewable gas from waste and wastewater and feed it into the grid from winter 2021-22. From the parking ceiling upwards, the plant building is a pure timber construction., Dietlikon



Wildlife transfer Rynetel, Suhr

It took a long time to convince people: more than 20 years ago, Stefan Zöllig demonstrated that wood is the right choice of construction material for wildlife bridges. Today, the wooden bridge over the A1 highway between Suhr and Hunzenschwil is impressive., Suhr



V-Zug Semiramis, Zug

«Semiramis» is a 22.5 meter high, planted architectural sculpture that stands in the new innovation quarter - the Tech Cluster of Zug., Zug



GZ Bachwiesen - animal enclosure, Zürich

The two stable buildings were in poor condition and no longer met the spatial and operational requirements for modern animal husbandry., Zürich



Scaffolding tower cloudwork, Zürich

Wood is not only the right choice of material for residential and commercial buildings, it also offers ideal properties for temporary structures. At 70 meters high, the scaffold towers are the tallest wooden structures in Switzerland., Zürich



The lighthouse, Bad Ragaz

As part of the BadRagartz art exhibition, a nine-meter high lighthouse was erected on the Guschachopf near Bad Ragaz. The structure was assembled by helicopter., Bad Ragaz



Music pavilion, Kirchdorf

In Kirchdorf, the music pavilion is the last building block of the new education campus. It is a free-standing solitaire visible from all sides with the stage to the south and a bus stop for the school bus to the north., Kirchdorf



Wooden platform near Basel elephant enclosure, Basel

From here you have an overview of the new savannah landscape of the elephants at Basel Zoo. The wooden platform is slightly elevated and allows a view of almost the entire elephant enclosure. Since mid-March 2017, the animals have had significantly more room to move., Basel



Playground Buchholz, Zürich

The Buchholz playground in Zurich Witikon was completely rebuilt this year. For the planning, Timbatec engineers measured the existing playground and its foundations with a 3-D measuring device., Zürich



House of Switzerland, Sotchi, Milano, Zürich, Davos, Rio, ...

For "Presence Switzerland", the concept was developed for a multi-use platform with adequate space (730 m²) to serve public diplomacy and to promote Switzerland's interests at major international events. Timbatec constructed a robust, demountable timber construction system for this purpose., Sotchi, Milano, Zürich, Davos, Rio, ...



Equilibrium/Tetrahedron, Messezentrum Basel/Swiss Art Award

In the context of the Swiss Art Awards 2013, field of architecture, the project Equilibrium by Wolfgang Rossbauer and Moritz Häberling was realized and submitted and even won an award., Messezentrum Basel/Swiss Art Award



Noise barriers BLS, Reichenbach i.K.

Following the principle of the Environmental Protection Act of 1985 to limit noise primarily by measures at its source, the Federal Railway Noise Abatement Act of 2000 prescribes, among other things, "measures on the propagation path.", Reichenbach i.K.



New construction garden hall Zellweger, Thun

The client was looking for a solution for the roofing of their seating area. They wanted a more unusual solution than purlins and rafters. The situation allowed 2 line supports on 2 masonry walls at right angles to each other and a point support on a pendulum support., Thun



Car shelter Blümlimattweg, Thun

The client was looking for an economical load-bearing system for a car shelter. Based on the good experience with the girder grid at the Pappelweg property, it was decided to use a girder grid here as well. In addition to its functional aesthetics, this system also proved to be extremely cost-effective., Thun



Car shelter settlement road, Thun

The architects envisioned a wooden slab laid over two steel girders - with a span of 4.50 meters. The plate was to be no more than about 4 cm thick and covered with greenery. This was not feasible, because with a construction less than 110 mm thick, the deflection would have been too great. But such a thickness would have been neither aesthetically nor economically satisfactory., Thun



New construction Galilei Tower, Heureka, Zürich-Brunau

The round 12-story wooden exhibition tower, diameter and height 50 m each, formed the antipole to the high-tech tents of the exhibition. A skeleton with circularly arranged masts and semicircular tongs was chosen as the main supporting structure. For the connection of the tongs, a new type of heavy-duty fastener had to be developed, which had to meet high demands with requirements such as load-bearing capacity, flexibility (round timber) and low-cost procurement. Wood can certainly be used for more than just archaic structures, yet here it was the welcome backdrop for a historical research exhibition., Zürich-Brunau
