

Panorama Konstanz rotunda in hybrid timber construction

Constance, Germany



Project details

Client	Panorama Konstanz GmbH & Co. KG
Architecture	Sauerbruch Hutton Gesellschaft von Architekten mbH
Project type	Art and culture
Construction type	Wood element construction, Free Form
Services	Timber construction
Construction	2024-2025
Locality	Konstanz
Country	Germany

A timber construction high-rise

The two lower floors and the stairs are made of concrete. On the third floor, an 8.5 m high truss of fish-bellied girders and straight beams as well as 43 columns 32 m in length form an imposing supporting structure spanning a length of 36 m. An 8.5 m high truss in the shape of a fish-bellied girder spans a length of 36 m. In addition, there are 43 columns in the outer wall with a length of 32.4 m.

Constructive challenges

The large dimensions of this timber construction placed special demands on planning, logistics and assembly. The impressive components were precisely prefabricated from laminated timber in our factory at our headquarters and at partner companies and assembled precisely on site. The 4th and 5th floors will be equipped with CLT ceilings.

Logistical peculiarities

The limited storage space on site within a busy traffic loop on the banks of the Rhine called for carefully planned construction logistics. Fire protection, earthquake safety and high wind loads at a height of 50 m also placed additional structural demands on the timber construction. At a height of 54 m, the cylindrical building falls into the high-rise category.

Specific Contact



Daniel Bucher

Head of International Sales | Timber Construction | Free Form

T +41 71 388 52 51

daniel.bucher@blumer-lehmann.com

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Lifting platforms are being used to install the large-format columns of the façade structure at Panorama Konstanz.



Assembly work at lofty heights at Panorama Konstanz



Solid steel connections secure the building's load-bearing structure.

Installation of the striking façade of the Panorama Konstanz.