The lighthouse, Bad Ragaz

2018





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.

The project

Since the viewpoint on the Guschachopf can only be reached on foot and is not accessible for vehicles, the lighthouse was delivered in one piece by helicopter. During such transports, the cargo is exposed to strong forces. In order to survive this transport in one piece, a strong construction is required. Timbatec supported SLS Illusion+Construktion GmbH with the static calculation and the construction of the lighthouse.

The construction method

The nine-meter high lighthouse consists almost entirely of wooden three-layer panels and is painted with red and white paint on the outside.

The challenge

The planning and bracing for transport and assembly by helicopter were the big sticking points in this project.



Transport by helicopter



The lighthouse has reached its destination

Project information

- Three-layer boards 50 m^2
- Construction timber spruce 2 m^3

Design stages

- SIA Phases 32 - 53

Design services

- Structural Engineering and Analysis
- Construction

Client

SLS Illusion+Construktion GmbH
8603 Schwerzenbach