

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 & Konstruktion GmbH with the static calculation and the construction of the lighthouse.

The construction

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

Construction Data

- Three-layer boards 50 m²
- Construction timber spruce 2 m³

Services of Timbatec

- SIA phase 52 execution
- Statics and construction



The lighthouse has reached its destination

Client

SLS Illusion & Konstruktion GmbH 8603 Schwerzenbach

Timberconstruction engineer

Timbatec Holzbauingenieure Schweiz AG 8005 Zurich

Timberconstruction

SLS Illusion & Konstruktion GmbH 8603 Schwerzenbach

Construction management

SLS Illusion & Konstruktion GmbH 8603 Schwerzenbach