

# The lighthouse, Bad Ragaz

2018

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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



The lighthouse has reached its destination

#### **Construction Data**

- Three-layer boards 50 m<sup>2</sup>
- Construction timber spruce 2 m<sup>3</sup>

#### **Services of Timbatec**

- SIA Phase 32 Construction project
- SIA Phase 52 Execution
- SIA Phase 53 Commissioning
- Statics and construction

#### **Client**

SLS Illusion & Konstruktion GmbH, 8603 Schwerzenbach

#### **Timber construction engineer**

Timbatec Holzbauingenieure Schweiz AG, 8005 Zurich

#### **Timber construction**

SLS Illusion & Konstruktion GmbH, 8603 Schwerzenbach

#### **Construction management**

SLS Illusion & Konstruktion GmbH, 8603 Schwerzenbach