## Largest wooden modular silo facility 2'300m<sup>3</sup>, Chur

#### Switzerland





#### Project details

Client: Bundesamt fur Strassen

ASTRA Schweiz

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Architecture: Casutt Wyrsch Zwicky

AG

Project type: Complete solutions,

Wooden silos, Brine

technology, Conveyor technology

Construction: 2019
Locality: Chur
Country: Switzerland

#### Construction data

Product/Component
Model/Type
Volume
Stocked goods

Modular silo, Réservoirs de saumure, Conveyor technology  ${\rm Automation\ systems,\ Modular\ conveyor\ system}$   ${\rm 300\ m3,4\times500,2300}$ 

Salt

#### Information Silo

 Silo volume:
 2'300m³

 Silo height:
 17,70m

 Total height:
 18,10 x 27,90m

 Passage width:
 6,50m

 Total height:
 4,10m

#### Information Sole

Volume Sole: 2 x 40'000m<sup>3</sup>

### Project description

Largest modular silo facility directly at the Chur South motorway exit with a storage volume of 2,300 m³ of salt. The facility has 4 modular silos with a capacity of 500 m³ each and 1 modular silo with a capacity of 300 m³. In addition to the silo facility, a brine plant with a brine generator and  $2x40'000\,\mathrm{I}$  tank capacity as well as a service room with kitchen and toilet were built. The salt is extracted fully automatically by means of strain gauges and can be conveniently done from the operating platform. In addition, the plant has a return conveyor system installed underground with a conveying volume of approx. 10 t/h. For optimal protection, the silo facility was equipped with an architecturally designed larch façade and roller doors.

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Switzerland







Largest modular silo facility made of wood in a strategically good location with motorway access to Chur South

Interior view of the modular silo plant in Chur





Modular silo facility in Chur with an architecturally designed larch façade

Brine filling station





Underground return conveyor system

Brine plant with brine generator of the modular silo plant in Chur