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

Switzerland



#### **Construction data**

Product/Component Model/Type Volume Stocked goods Modular silo, Réservoirs de saumure, Conveyor technology Automation systems, Modular conveyor system 300 m3, 4 x 500, 2300 Salt



#### **Project details**

Client:	Bundesamt fur Strassen
	ASTRA Schweiz
Architecture:	Casutt Wyrsch Zwicky
	AG
Project type:	Complete solutions,
	Wooden silos, Brine
	technology, Conveyor
	technology
Construction:	2019
Locality:	Chur
Country:	Switzerland

#### Information Silo

Silo volume:	2'300m <sup>3</sup>
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 m<sup>3</sup> of salt. The facility has 4 modular silos with a capacity of 500 m<sup>3</sup> each and 1 modular silo with a capacity of 300 m<sup>3</sup>. In addition to the silo facility, a brine plant with a brine generator and 2x40'000 l 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