

Gritting silo facility with wood silo and brine plant in Airolo

Switzerland



Construction data

Product/Component	Conveyor technology, Measurement and weighing technology, Round silo, Brine mixing facilities, Réservoirs de saumure
Model/Type	Automation systems, Galvanised steel roof platform, Filling funnel electric and adjustable height, Oak knocker, Galvanised steel ladder, Mobile return conveyor, Brine mixing facility Quanto, Salt manager, Spotlight LED with motion detector, Valve with funnel heater, Valve and mirror heater, Galvanised and duplexed steel construction, Unbalanced shaker, Loading mirror
Volume	2 x 500, 1000 m ³
Stocked goods	Salt, Brine

Project details

Client:	Bundesamt für Strassen ASTRA Schweiz
Architecture:	Studio Gendotti
Project type:	Wooden silos, Brine technology, Conveyor technology
Construction:	2020
Locality:	Airolo
Country:	Switzerland

Information Silo

Silo volume:	2 x 500, 1000m ³
Silo height:	20,80m
Total height:	7,90m
Passage width:	6,40m
Total height:	4,30m

Information Sole

Volume Sole:	32m ³
Container diameter:	3,00m
Height with Roof:	3,90m

Project description

We could realise an entire gritting silo facility with salt silo and brine facility for the Federal Roads Office Astra in Ticino. The new replacement construction includes two round salt silos, each with a capacity of 500m³, an automatic weighing system, a Quanto brine generator and a brine tank.

Thanks to two extraction points, the filling of the gritting vehicles can be carried out efficiently.

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Brine generator with salt dissolving system and storage tank with mixing station

Salt extraction device for brine generator



Mobile electric conveyor system for returning salt from the gritting silo in Airolo

Extraction point