

Complete system with 2 x 400m³ silos, brine system and return conveyor system

Affoltern am Albis, CH



Project details

Project type:	Brine technology, Wooden silos
Construction:	2023
Locality:	Affoltern am Albis
Country:	Switzerland

Information Silo

Silo volume:	2x400m ³
Silo height:	18.71m
Total height:	7.90m
Passage width:	6.83m
Total height:	4.70m

Construction data

Product/Component	Measurement and weighing technology, Round silo, Silo brine mixing facility, Réservoirs de saumure
Model/Type	Galvanised steel roof platform, Fill funnel swivel-mounted, Oak knocker, Galvanised steel ladder, Mobile return conveyor, Salt manager, Spotlight LED with motion detector, Valve with funnel heater, Valve and mirror heater, Galvanised steel construction, Loading mirror, Windsock swivel-mounted
Volume	2 x 400
Stocked goods	Salt, Brine

Information Sole

Volume Sole:	40m ³
Container diameter:	3.00m
Height with Roof:	6.61m

Project description

The entire plant in Affoltern am Albis consists of 2 round wooden silos on a cubic steel substructure. The plant also has a brine mixing plant with storage tank. The silos each have a capacity of 400 m³. A mobile return conveyor system was supplied for emptying the vehicles at the end of winter.

The façade has been treated three times and is made of spruce wood. The brine generator is filled with de-icing salt directly from the silo using a discharge screw conveyor. The storage tank of the brine system has a volume of 40m³.

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Brine tank system with control point

Discharge screw with flushing cyclone and unbalanced vibrator



Filling the silo system

Mobile salt return system



Brine generator with storage tank and control tank

Cubic steel substructure with filling pipe, roof drainage and swivelling wind sacks