

# Wooden round silos 3 x 400m<sup>3</sup>, St. Gallen-Neudorf

Switzerland



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## Construction data

Product/Component	Round silo
Model/Type	Automation systems, Display for top automatic, Galvanised steel ladder, Galvanised steel roof platform
Volume	3 x 400, 1200
Stocked goods	Salt

## Project details

Client:	Bundesamt für Strassen ASTRA Schweiz
Architecture:	Niederegger AG
Project type:	Wooden silos
Construction:	2014
Locality:	St. Gallen-Neudorf
Country:	Switzerland

## Information Silo

Silo volume:	3 x 400m <sup>3</sup>
Silo height:	19,20m
Total height:	7,90m
Passage width:	6,40m
Total height:	4,50m

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## Project description

Two of these three large silos are equipped with top automation. This means that the loading process is fully automated and linked to the weighing of the silos. As soon as the gritting vehicle drives under the salt silo, the system recognises the truck with the permissible payload. The loading process is started from the truck cab by means of a transponder. The foldable windsock is automatically lowered to the correct height and the slide opens. As soon as the preset filling height is reached in the gritting vehicle, the slider is closed and the loading process ends. Monitoring can be done conveniently via a screen installed in front of the driver's cab.

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Round large silos with fully automated loading process and connection to the weighing system

Salt loading process directly from the truck cab by means of transponder and feed via foldable windsock



Monitoring of the loading process conveniently from the driver's cab by means of an installed screen