

# Largest wooden silo facility 2'700m<sup>3</sup>, Bern

Switzerland



## Project details

Client:	Bundesamt für Strassen ASTRA Schweiz
Architecture:	Büro B Architekten AG, schemaa
Project type:	Wooden silos
Construction:	2015
Locality:	Bern
Country:	Switzerland

## Construction data

Product/Component	Twelve-sided silo E12
Model/Type	Automation systems, Display for top automatic, Hopper conveyor systems
Volume	3 x 900, 2700
Stocked goods	Salt

## Information Silo

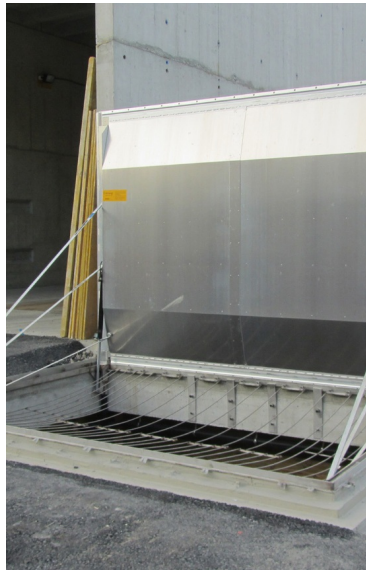
Silo volume:	3 x 900 = 2'700m <sup>3</sup>
Silo height:	25,75m
Total height:	9,00m
Passage width:	7,10m
Total height:	4,20m

## Project description

The largest silo facility for winter services was realised in the middle of the city of Bern. Three wooden silos with a storage volume of 900 m<sup>3</sup> each were built directly next to the Wankdorf stadium. The filling with salt is carried out by means of a hopper conveyor system, which achieves a conveying capacity of up to 50 t/h. This enables delivery with simple dump trucks. The removal of the salt from the silo into the gritting vehicles is fully automatic from the vehicle cabin. The entire system is managed and monitored via internet.

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filter house with piping

hopper conveyor with flap



three dodecagonal timber silos with a volume of 900m<sup>3</sup> each in Bern Wankdorf

grit silo plant with gritting vehicles in Bern Wankdorf



Technology of the silo plant in Bern Wankdorf

hopper and cellular wheel