Largest wooden silo facility 2700m³ in Bern

Switzerland

Project details

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

Information Silo

Silo volume:	3 x 900 = 2'700m³
Silo height:	25,75m
Total Size:	9,00m
Passage width:	7,10m
Passage height:	4,20m

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

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 m3 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 900m3 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

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