

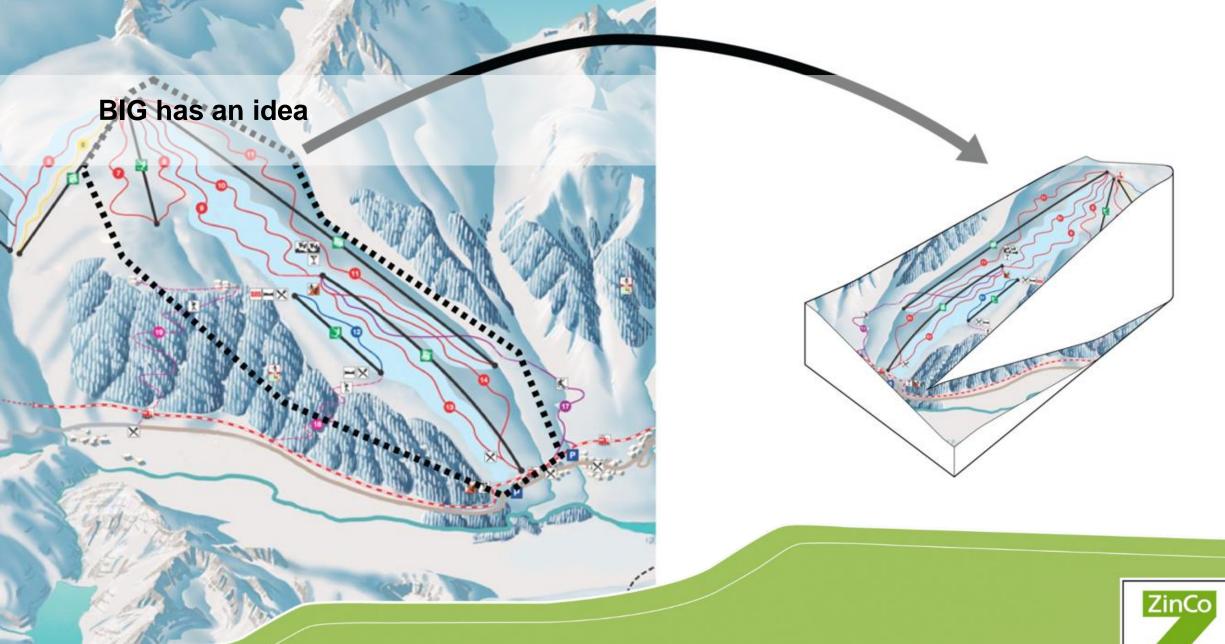
CopenHill, Denmark, Copenhagen

Per Malmos

salg@zinco.dk











2011

2016

2017

May

2017

December

First e-mail from Architect

Can you help?

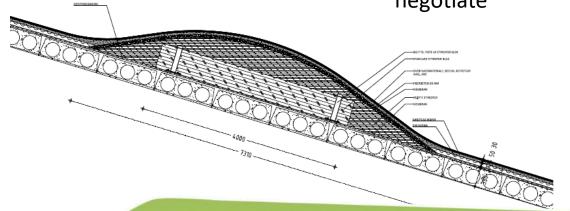


Landscape
Architect
How to grow!



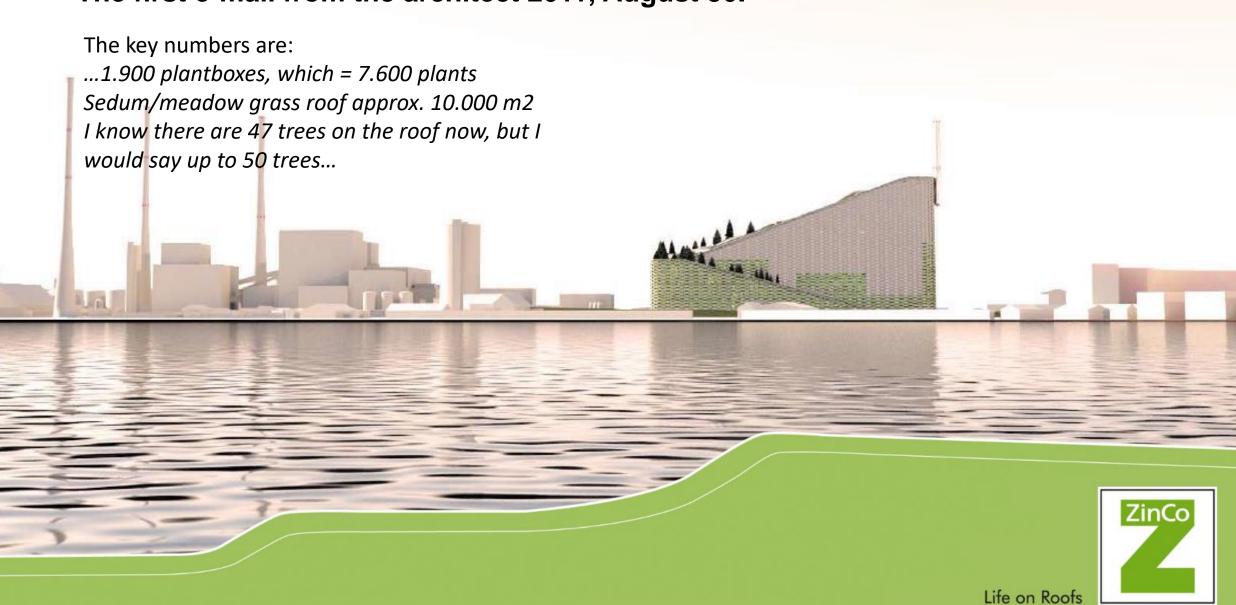
PQ Tender

– with a costumers rights to negotiate





The first e-mail from the architect 2011, August 30.



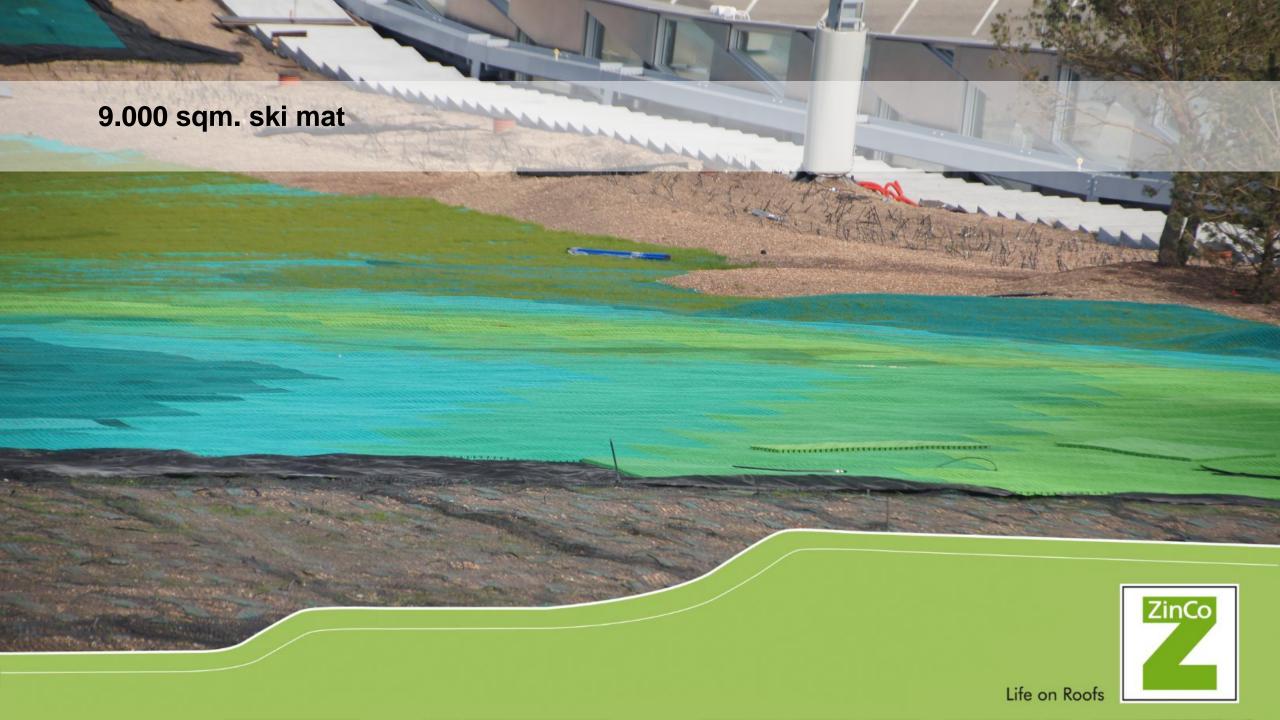
The rough roof with the membrane and fall barriere for each 20 metre







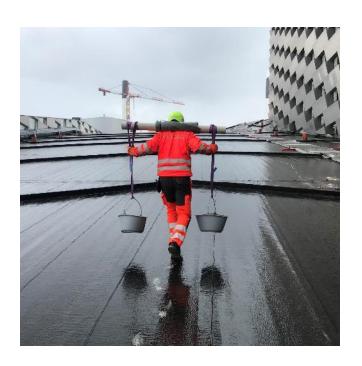






Working proces concrete

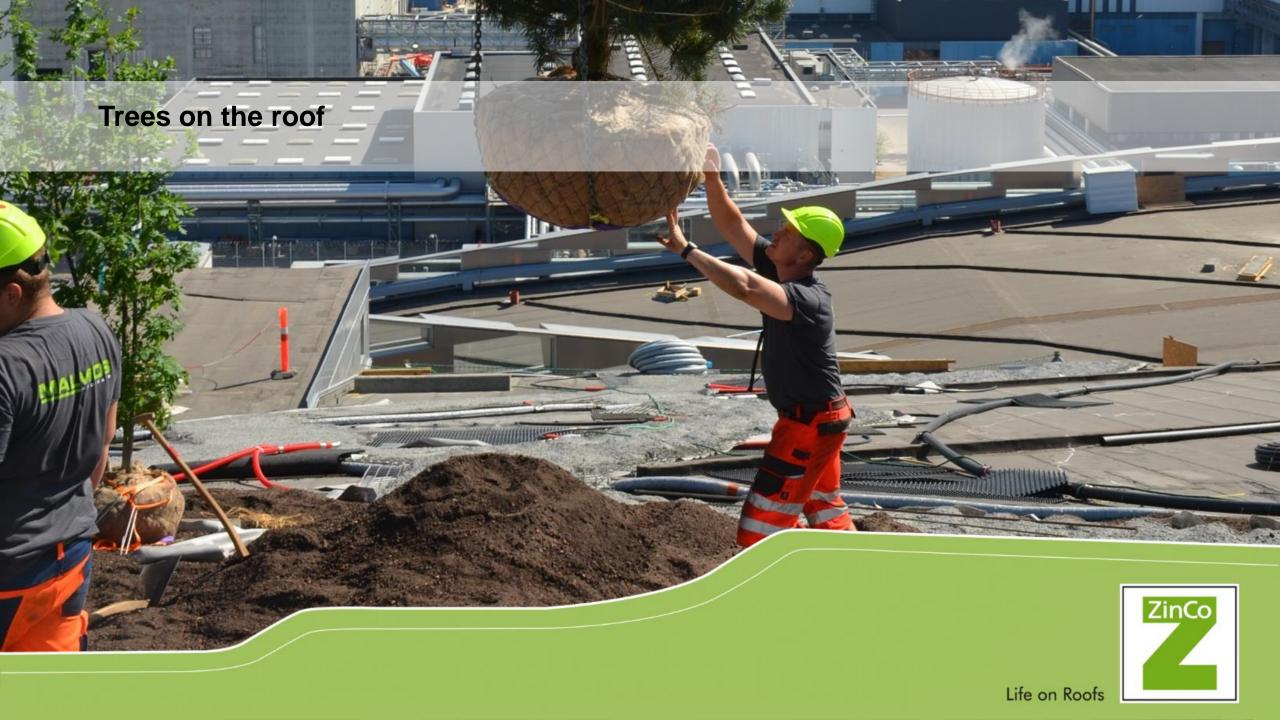




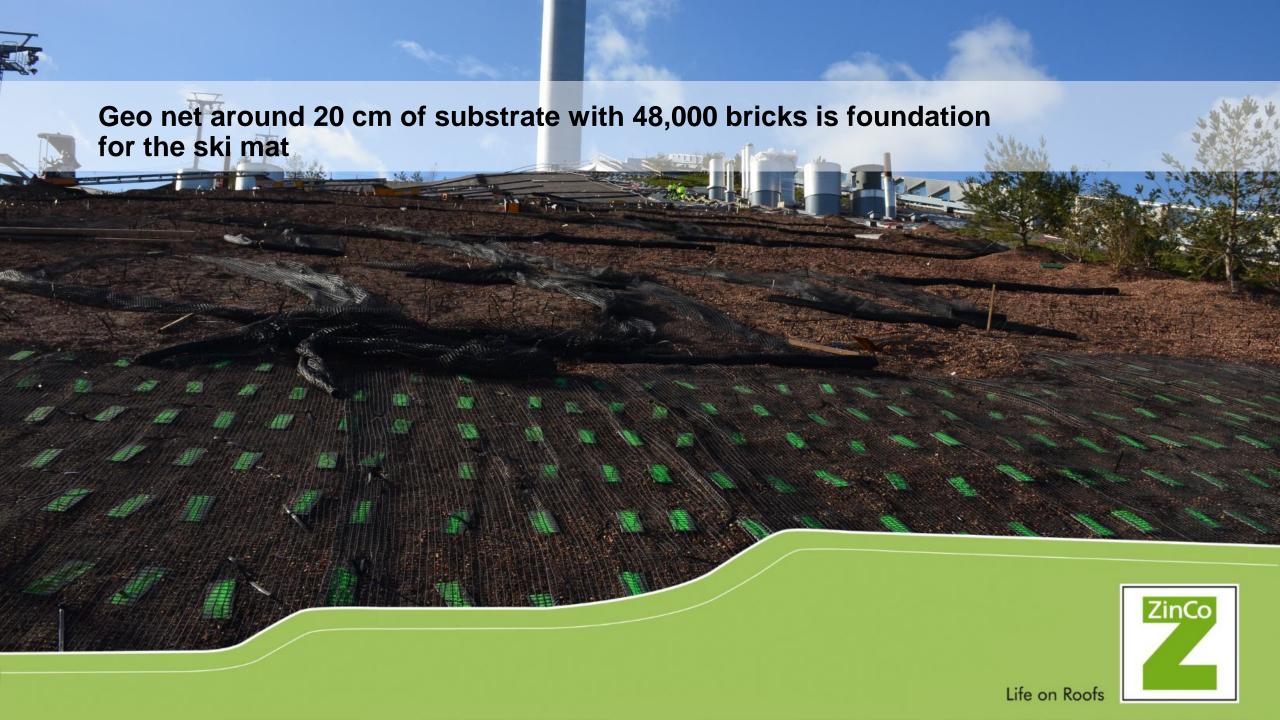


Weather conditions dictate the daily work 60 m. from ground ZinCo Life on Roofs

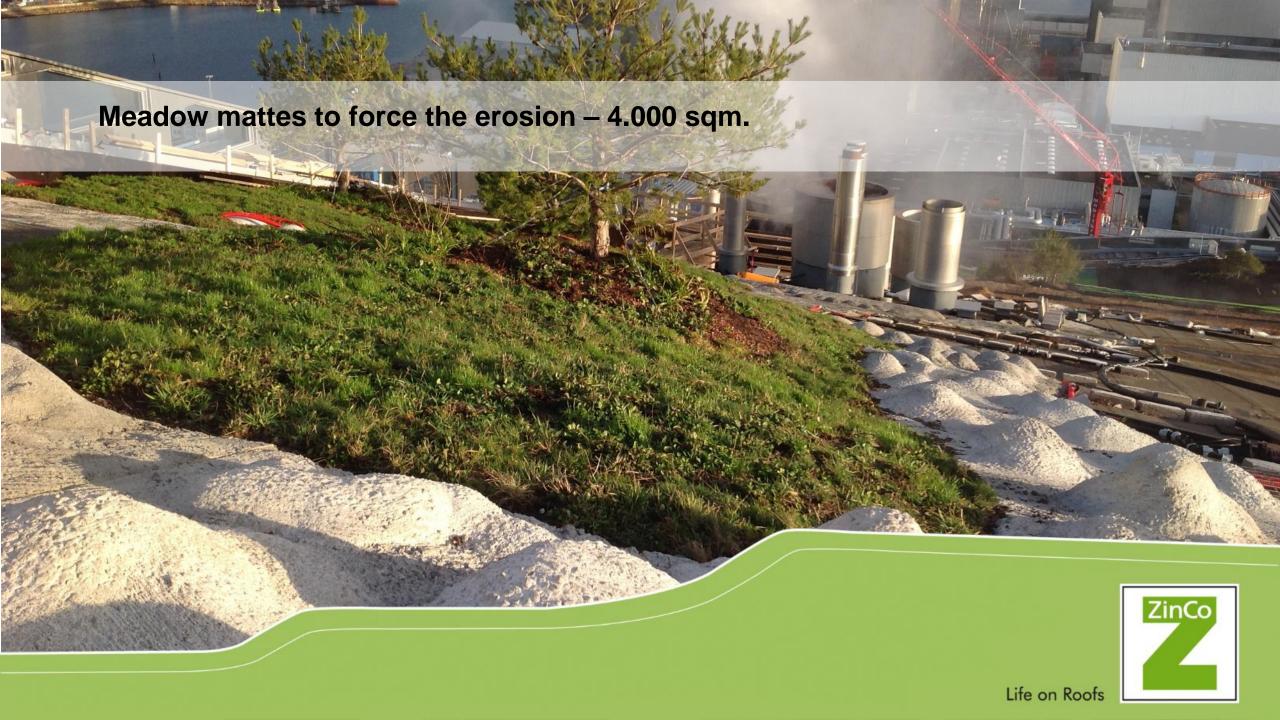






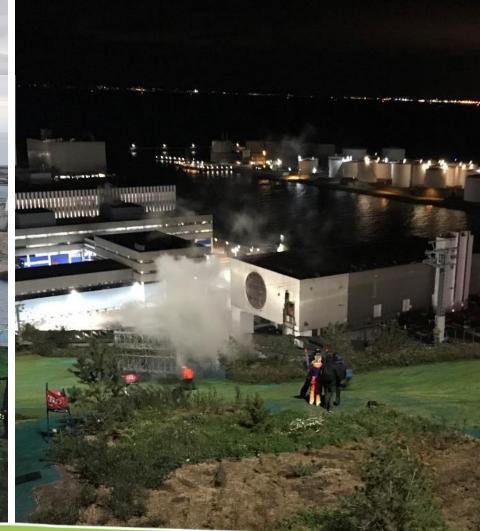


























Project Report Amager Ressource Center, Copenhagen





A new spectacular attraction in the city of Copenhagen: A ski slope!

In October 2019 Copenhagen gained a new attraction: A ski slope in the town! While the waste incineration plant "Amager Ressource Center" provides electricity for 30.000 and heating for 72.000 households, the roof of the building accommodates a 450 m vegetated long ski

It is not snow visitors are skiing on, but green synthetic mats and real grass growing through the mats. 4 lifts bring visitors comfortably to a height of 87 m, where they can enjoy a panoramic view of Copenhagen. Alternatively one can take a pathway surrounded by lush greenery along the slope. The slope flattens towards the bottom, so that even beginners can approach the sport at the foot of the building. In order to stabilize the system build-up and prevent sliding numerous shear barriers were anchored in the concrete roof

structure. At the same time they divert

Development



safe drainage of exceeding water on the entire

exceeding water towards the edges of the roof. The root balls of the trees, weighing up to 2.5 tons, were supported by specially shaped meshes. The substrate is embedded between two layers of geogrids, connected by nearly half a million of cable binders.

The operator of "Copenhill", as the plant is also called, is expecting about 300.000 visitors a year.

Detail Shrub Anchorage





The root balls of the shrubs are supported by specially shaped reinforcement steel meshes.

Project Data

Area: in total ca. 16.000 m², 3.000 m² of which are pathways, 3.000 m² planted areas and 10.000 m² of ski slope

Construction Year: 2018/2019

Architects: BIG, Copenhagen

Landscape Architects: SLA, Copenhagen

Contractor: Malmos A/S, Roskilde

System Build-up: Special solutions with Elastodrain® EL 202 and Protectodrain® PD 250

55°41'5.09" N: 12°37'13.70" E







The substrate underneath the plastic mats lies embedded between two layers of geogrids.

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CopenHill in Denmark

Find the reference on

www.zinco-greenroof.com/references



Thank you for listening



