CASE HISTORY
Ref: AT / CH 022 - Rev:01, June 2016

RETAINING SOIL STRUCTURE
ÖTZ, AUSTRIA

GEOTECHNIC - REINFORCED SOIL STRUCTURES
Product: Green Terramesh

Problem:
Tiwag (Tiroler Wasserkraft AG) needed to build a storage. They chose an empty space in the municipality of Ötz, delimited northward from some fluvial terraces. To allow the movement of tracks, they decided to widen the surface through the construction of a reinforced soil structure (RSS). Through his partner Katzenberger GmbH, Maccaferri was asked to provide the design of a structure with 6-7m of height and approx. 100m of length and to deliver the material.

Solution:
The chosen solution was Green Terramesh Light. The typical installation profile had 8 steps of 0.73m with a total height of 5.84m. The solution was appreciated in particular for the easy and fast installation steps. The elements are pre-assembled and on the jobsite only simple steps have to be performed to have an upright structure. The filling was done through an excavator and shovel for handling, a small vibrating plate to compact the side (to avoid bulging) and a bigger for others parts. Maccaferri visited the jobsite to explain to the contractor the installation procedures and to supervise the first steps of the construction.

Client:
Katzenberger GmbH
Main contractor:
Fröschl Ag & Co.
Designer:
Maccaferri
Products used:
Green Terramesh
Date of construction:
Autumn 2015

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