

# Excavation, shotcrete infill

Red Cross and building authority, Vaduz (FL)

<b>Application</b>	Shotcrete infill
<b>Object</b>	Liechtenstein Red Cross & building authority, Vaduz (FL)
<b>Client</b>	Frickbau AG, Schaan (FL)
<b>Country</b>	Fürstentum Liechtenstein
<b>Year</b>	2019
<b>Fibre</b>	Concix ES

## Description

The excavation support made with discontinuous bored pile walls with shotcrete infilling for the new Red Cross & building authority. The originally planned reinforcement for infilling was one layer B257 steel mesh (257 mm<sup>2</sup>/m) air side, which was totally replaced by using macro fiber reinforced shotcrete

## Key advantages of the Concix ES solution for this project

- Time saving and therefore cost reduction
- No laborious mounting of steel meshes, lower logistic costs, shorter construction time
- Less concrete consumption, because no covering of steel necessary
- Much better carbon footprint, less CO<sub>2</sub> because of no steel and less concrete

