

Project: Glockenturm Zorge
Location: Zorge, Germany
Year: 2016



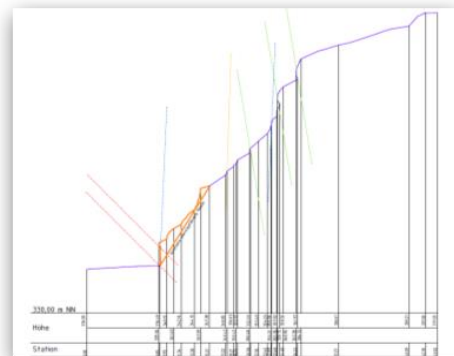
Rock face protection by anchors and nets

Project Description

The so called Wilhelmsplatz is located in the community Zorge, East of the village Wieda. To the east, the community was built next to a rock face. Above the rock is the so called Glockenturm while underneath the rock a museum and a heritage railway are placed. Within the rock face numerous blocks and smaller particles dropped down in 2013. Rockfall represent a significant danger to the downhill areas as well as the museum. Danger to the public as well as road traffic could not be eliminated so that rock protection measures had to be arranged.

Project Facts

- 30 m high rock face with rock overhang
- Rock face tilting ranging from 60° to 75°; 75° to 90° und 90° to 135°
- Failure body size ranging from 70 to 100 cm
- Rock identification: Diabas Granite, slate and clayey shist with joint face and gaps
- Finished nail rid ranging from 2,50 x 2,00 m and 2,50 x 3,00 m; Gewi nails with nail length > 3 m



Typical cross section

Our Service

- Design of the rock-face sealing measure; soil nails and net design for three different sections with varying inclination during the detailed design
- Adaption and optimisation of the soil nailing layout compared to the first design concept
- Geotechnical consultant to the client before and during the construction



Rock face after nailing

For more information visit our website or contact us directly.