



SCHÄNIS, STATE ROAD 17, SUÍÇA

Estabilização de taludes

Schänis, State Road 17

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Projeto	Schänis, State Road 17
Lugar	Schänis
País	Suíça
Ano de instalação	2016
Promotor	State Department for Underground Construction, Canton St.Gallen, Switzerland
Empreiteiro	Geobruigg AG, Geohazard Solution
Contratante	Oberholzer Inc., Neuhaus, Switzerland
Situação inicial	<p>The area was formed by glaciers. With climate change, the rock underneath, molasse conglomerate rock, has become more unstable. During the past few years sections of rock, some with volumes of around 1 m³, became dangerously loose and were in danger of eminent fall onto the road, the building below and the neighboring pastures.</p> <p>The Swiss State Agency for Forest and Natural Hazards immediately alerted the regional road inspectorate and political community to the potential risk.</p>
Descrição	<p>As a short term emergency measure Geobruigg worked with the regional road administration and a local contractor to stabilize the most critical rock sections with SPIDER® S3-130.</p> <p>As a long-term solution that ensures safe driving conditions for daily commuting, an anchored system was installed. Along the deep chasms all along the molasse bar, three levels of anchors were drilled. The higher and lower levels were drilled to a length of 4 m while the anchors of the middle rows were drilled to a length of 7 m. These anchors were drilled to a grid that measures 2.15 m x 2.15 m.</p> <p>The whole project from planning to final acceptance took only six weeks.</p>
Objecto protegido	Estrada, Edifício
Proteção contra a corrosão	GEOBRUGG SUPERCOATING
Geologia	Instable blocks of molasse conglomerate.
Área estabilizada	300 m ²
Altura do talude	15 m
Inclinação do talude	30 ° - 85 °
Exposição	Noroeste

Em caso de dúvidas por favor contacte com nosso especialista Geobrugg na sua área

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