



SCHÄNIS, STATE ROAD 17, SVIZZERA

Consolidamento di versanti

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Progetto	Schänis, State Road 17
Luogo	Schänis
Paese	Svizzera
Anno di installazione	2016
Cliente	State Department for Underground Construction, Canton St.Gallen, Switzerland
Progettazione	Geobruigg AG, Geohazard Solution
Contraente	Oberholzer Inc., Neuhaus, Switzerland
Situazione iniziale	<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>
Descrizione	<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>
Oggetto protetto	Strada, Costruzione
Protezione dalla corrosione	GEOBRUGG SUPERCOATING
Geologia	Instable blocks of molasse conglomerate.
Area stabilizzata	300 m ²
Altezza del versante	15 m
Inclinazione versante	30 ° - 85 °
Esposizione	Nord-ovest

Per qualsiasi domanda potete contattare il nostro specialista Geobrugg

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