



VALJEVO-RESNIK, SERBIA, SÉRVIA

Estabilização de taludes

Valjevo-Resnik, Serbia

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Projeto	Valjevo-Resnik, Serbia
Lugar	Belgrade
País	Sérvia
Ano de instalação	2017
Promotor	Železnice Srbije
Empreiteiro	Institute of Transportation CIP, Beograd
Contratante	RZD International LLC
Outras empresas envolvidas	Geosonda Konsolidacija a.d., Beograd
Situação inicial	<p>Because of continuous small rock falls, landslides, and erosion along the railway line Valjevo-Resnik, the maximum allowed speed had to be limited. The Serbian Railways decided to stabilize the slopes together with the revision of the railway line.</p>
Descrição	<p>Designers from CIP Belgrade, Marina Janković, and Ivana Vujović together with the assistance of Geobruigg's Representative Office in Croatia provided stabilizing solutions for 11 slopes. Problems of rockfall and slope stability were solved mostly with TECCO® System and SPIDER® System. Additionally, DELTAX® and GREENAX® meshes were used as a secondary mesh, as well as erosion control. Under the TECCO® System, TECMAT® was used as an anti-erosion layer.</p> <p>One of the tunnel portals is protected against rockfalls by the GBE-100A-R barrier without retaining ropes.</p>
Objecto protegido	Caminho de ferro
Outras aplicações instaladas	Proteção contra desprendimentos
Proteção contra a corrosão	Galvanizado, GEOBRUGG SUPERCOATING
Geologia	<p>Contemporary alluvial sediments of the Topčiderska river and sandstone salt-clay sediments, so-called neocomic flysch. The neocomic flysch complex is mainly represented by fine-grained sandstone, alevrolites, marls and glaciers, with the passages and limbs of limestone and limestone brecco-conglomerates.</p>
Área estabilizada	38000 m²
Altura do talude	23 m
Inclinação do talude	45 ° - 75 °
Geomalha de controlo de erosão	Sim
Exposição	Noroeste

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

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