

HYDROELECTRIC POWER PLANT TUNNEL, PERÙ

20.06

Miniera / Gallerie

BRUGG
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Safety is our nature

Hydroelectric Power Plant Tunnel

Miniera / Gallerie

Progetto	Hydroelectric Power Plant Tunnel
Luogo	-
Paese	Perù
Anno di installazione	2014
Cliente	-
Situazione iniziale	During construction of the headrace tunnel in July 2012 for a hydro power plant some severe rockburst occurred. The high internal stress in the rock and overburden over 1000 m on top of the tunnel as well as the brittle metamorphic character with a rock mass rating RMR > 65 caused some severe problems during the project.
Descrizione	The tunnel was divided in sectors to analyse the stress level in regard to the <i>high stress classification</i> whereas it shows that some rockbursts of level 2 and 3 occurred. In the most critical zone a support system with MINAX® 80/4 was applied in combination with mechanized installation thanks to Geobrugg's MESHA® handler. The installation time had been decreased between 20 to 25% and safety for workes was significantly improved.
Oggetto protetto	Altri
Protezione dalla corrosione	GEOBRUGG SUPERCOATING
Area stabilizzata	5000 m²
Lunghezza dei chiodi	2 m - 4 m
Schema ancoraggi a	1.5 m / 1.5 m

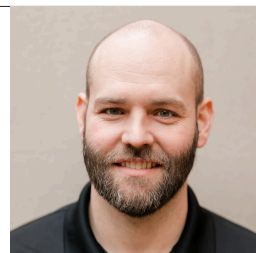
Per qualsiasi domanda potete contattare il nostro specialista Geobrugg

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