



# HYDROELECTRIC POWER PLANT TUNNEL, PERU

20.06

Minerit / Tuneluri

# Hydroelectric Power Plant Tunnel

## Minerit / Tuneluri

Proiect	Hydroelectric Power Plant Tunnel
Loc	-
Țară	Peru
Anul instalării	2014
Client	-
Situația inițială	<p>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 &gt; 65 caused some severe problems during the project.</p>
Descriere	<p>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.</p>
Obiect protejat	Altele
Protecție împotriva coroziunii	GEOBRUGG SUPERCOATING
Zonă stabilizată	5000 m²
Lungime tijă	2 m - 4 m
Distanța între tije a	1.5 m / 1.5 m

**Pentru întrebări, vă rugăm să contactați specialistul Geobrugg din zona dvs.**

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