

# HYDROELECTRIC POWER PLANT TUNNEL, PERU

20.06

Mineração / Túneis

# Hydroelectric Power Plant Tunnel

## Mineração / Túneis

Projeto	Hydroelectric Power Plant Tunnel
Lugar	-
País	Peru
Ano de instalação	2014
Promotor	-
Situação inicial	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.
Descrição	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.
Objecto protegido	Outros
Proteção contra a corrosão	GEOBRUGG SUPERCOATING
Área estabilizada	5000 m²
Comprimento das ancoragens	2 m - 4 m
Padrão das ancoragens a	1.5 m / 1.5 m

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

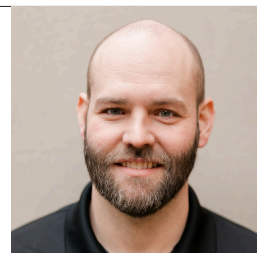
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