



Engineering Structures for Life



ENVIRONMENT - WATER

Reinforcement of the Tunnel at Picote Dam

ABOUT

The hydroelectric plant of Picote II is an underground cave plant, about 150 meters deep, with a hydraulic circuit in a tunnel, various shafts and support and access tunnels.

Within the scope of this work, GEG was contracted – by the supervision team responsible for the excavation operation of the several tunnels – to develop on-site support and supervision of the geotechnical works, through the monitoring and instrumentation of the geological and geotechnical conditions, analysis of the geological and geotechnical mapping and cartography, and geotechnical consulting, namely on the rock mass classification at the excavation face. During this project, we also provide technical advice about the solutions for the dismantling of the rock mass.

Between September 2007 and September 2009, GEG was present at the site work with a resident engineer.

MORE IMAGES

FACTS

Year: 2007-2009

Client: EDP Production

Services: Consulting and on-site technical support, Geotechnical Engineering, Geological and geotechnical studies, Geological and geotechnical cartography, Geological and geotechnical risk mapping, Excavations and earthworks design, Tunnel Design and Engineering, Instrumentation & Monitoring, Construction supervision

TEAM

LOCATION

Miranda do Douro, Portugal

