



LAÚCA HYDRO POWER PLANT, ANGOLA

Stabilizacja skarp

Laúca Hydro Power Plant

Stabilizacja skarp

Projekt
Lokalizacja
Kraj

Laúca Hydro Power Plant
Laúca
Angola

Rok Instalacji / montażu

2017

Inwestor
Projektant
Inne przedsiębiorstwa

Aproveitamento Hidroelétrico de Laúca
Intertechne Consultores S.A.
Tecnasol Fundações E Geotecnia, S.A.

Opis sytuacyjny projektu

The Lauca Hydro Power Plant is located at the foot of a steep slope. The slope requires stabilization to avoid causing damage to the facilities and equipment.

Opis zastosowanego rozwiązania

The following solutions were used for slope protection:

Top of the cliffs and tower shaped structures partially protected with TECCO® System:

- high tensile mesh: TECCO® G65/3
- self-drilling nails: INCO 32 TD
- nail diameter: 32 mm
- nail length: 4.0 m
- nail pattern: 1.4 x 1.4 m

Tower shaped structures partially protected with TECCO® System and SPIDER® System:

- high tensile mesh: TECCO® G65/3
- high tensile net SPIDER S4-230
- tower structure width below 3.0 m: nail pattern 1.4 x 1.4 m
- tower structure width over 3.0 m: nail pattern 3.0 x 1.4 m

At the base of the tower structures:

- high tensile mesh: TECCO® G65/3
- self-drilling nails: INCO 32 TD
- nail diameter: 32 mm
- nail length: 4.0 m
- nail pattern: 5.0 x 5.0 m

Regular area of the slope, between rockfall barrier line and top of the cliffs:

- high tensile mesh: TECCO® G65/3
- self-drilling nails: INCO 32 TD
- nail diameter: 32 mm
- nail length: 4.0 m
- nail pattern: 5.0 x 5.0 m

Below the rockfall barrier, ca. 10 m high zone directly above slope cut:

- high tensile mesh: TECCO® G65/3
- self-drilling nails: INCO 32 TD
- nail diameter: 32 mm
- nail length: 8.0 m
- nail pattern: 2.0 x 2.0 m

Self drilling nails were used due to fractured condition of the rock slope.

Passive rockfall protection barrier:

- rockfall protection barrier RXI-050
- height: 4 m
- length: 600 m in 3 sections of: 180 m / 240 m / 180 m

W celu uzyskania dokładniejszych informacji skontaktuj się z naszym Przedstawicielem.

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Inne zainstalowane aplikacje

Zabezpieczenie przeciwkorozyjne

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Road, Building, Infrastructure, Other

Ochrona przed obrywami skalnymi

GEOBRUGG SUPERCOATING



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