



JERUSALEN CANTERAS, COLOMBIA

Slope Stability

Jerusalen Canteras

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Project	Jerusalen Canteras
Location	Bogota
Country	Colombia
Year of installation	2014
Customer	Unidad Administrativa e Especial de Mantenimiento Vial
Engineering	Geocing
Contractor	HN Ingenieria
Initial situation	<p>Jerusalen Canteras is a former quarry in the township Ciudad Bolivar in Bogota. The predominant material is meteorized layers of sandstone and claystone.</p> <p>The quarry was abandoned and a neighborhood grew up around this slope. With little stabilization, the area was in dangerous condition.</p> <p>Rockfall menaced the road and the houses at the foot of the slope. Additionally grew the risk of slope sliding. In the crown of the cut, the access road to the upper neighborhoods plus the houses at the top were in danger.</p>
Description	TECCO® was installed in combination with anchors - 8 m long, 32 mm in diameter. The system was combined with anchored walls. To control erosion TECMAT® was implemented underneath the TECCO® mesh.
Protected object	Road, Building, Mine / Quarry, Residential area
Other installed applications	Underground & Open Pit Mining
Corrosion protection	GEOBRUGG SUPERCOATING
Geology	<ul style="list-style-type: none">• Meteorized layers of sandstone• Claystone
Stabilized area	10000 m ²
Maximum slope height	40 m
Slope inclination	45 ° - 80 °
Greening	Yes
Erosion control mat	Yes
Exposition	North

For questions please contact our Geobrugg specialist at your side

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