



TRES REYES, COLOMBIA

Slope Stability

Tres Reyes

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| Project | Tres Reyes |
| Location | Bogota |
| Country | Colombia |
| Year of installation | 2014 |
| Customer | NCTIR / NZTA |

Initial situation The Tres Reyes neighborhood in the town of Ciudad Bolivar (southern district of Bogota) sits at one of the highest elevations in this area of the mountains. Strata embankments detached from sandstone, residual soil and weathered rock caused landslides that were affecting houses underneath.

Description The areas at higher risk were identified and two types of solutions were proposed to stabilize the slope. In areas with fractured rock Geobrugg installed the SPIDER system in combination with anchor bolts. In areas having residual soil and weathered rock Geobrugg installed the TECCO® System in combination with anchor bolts. For improved erosion control a local mantle was added.

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| Protected object | Road, Building |
| Corrosion protection | GEOBRUGG SUPERCOATING |
| Stabilized area | 800 m ² |
| Maximum slope height | 30 m |
| Slope inclination | 60 ° - 90 ° |
| Erosion control mat | Yes |
| Exposition | North |

For questions please contact our Geobrugg specialist at your side

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