



KÖNIGSTEIN, SAXONY, ALLEMAGNE

Laves torrentielles et coulées de boue

Königstein, Saxony

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| Projet | Königstein, Saxony |
| Ville | Königstein, OT Strand |
| Pays | Allemagne |
| Année d'installation | 2012 |
| Client | City of Königstein |
| Ingénierie | Geobrugg AG |
| Entrepreneur | Bergsicherung Freital GmbH |

Situation de départ

The railway track from Dresden to Děčín (Czech Republic) experienced heavy rain that triggered several mudslides in August 2010. They blocked the railway line and the parallel road next to the city of Königstein.

This area shows signs of weathering and slope erosion. Blocks with an edge length up to two meters are embedded and shows first signs of instabilities.

The slope has an average inclination of 30 to 35 degrees and thanks to two torrents creating Y shape can mobilize up to 100 m³ of debris flow material.

Description

Based on data collected in September 2010, the debris flow barrier was dimensioned using our DEBFLOW software. The optimum location for the barrier was a terrain transition in a flume area with undisturbed edge structure. The embankments on both sides offered fully extensive anchoring options.

Site protégé

Route/Rue, Chemin de fer

Protection anticorrosion

galvanisé, GEOBRUGG SUPERCOATING

Hauteur du système

4.0 m

Longueur du système

7 m - 25 m

Nombre de barrières

1

Capacité de rétention

270 m³

Pour toute question, contactez votre spécialiste Geobrugg le plus proche

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