



# KÖNIGSTEIN, SAXONY, GERMANIA

**Protezione contro frane e colate detritiche**

# Königstein, Saxony

## Protezione contro frane e colate detritiche

<b>Progetto</b>	Königstein, Saxony
<b>Luogo</b>	Königstein, OT Strand
<b>Paese</b>	Germania
<b>Anno di installazione</b>	2012
<b>Cliente</b>	City of Königstein
<b>Progettazione</b>	Geobrugg AG
<b>Contraente</b>	Bergsicherung Freital GmbH

### Situazione iniziale

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 m<sup>3</sup> of debris flow material.

### Descrizione

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.

<b>Oggetto protetto</b>	Strada, Ferrovia
<b>Protezione dalla corrosione</b>	Galvanized, GEOBRUGG SUPERCOATING
<b>Altezza del sistema</b>	4.0 m
<b>Lunghezza del sistema</b>	7 m - 25 m
<b>Numero di barriere</b>	1
<b>Capacità di trattenuta</b>	270 m <sup>3</sup>

**Per qualsiasi domanda potete contattare il nostro specialista Geobrugg**

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