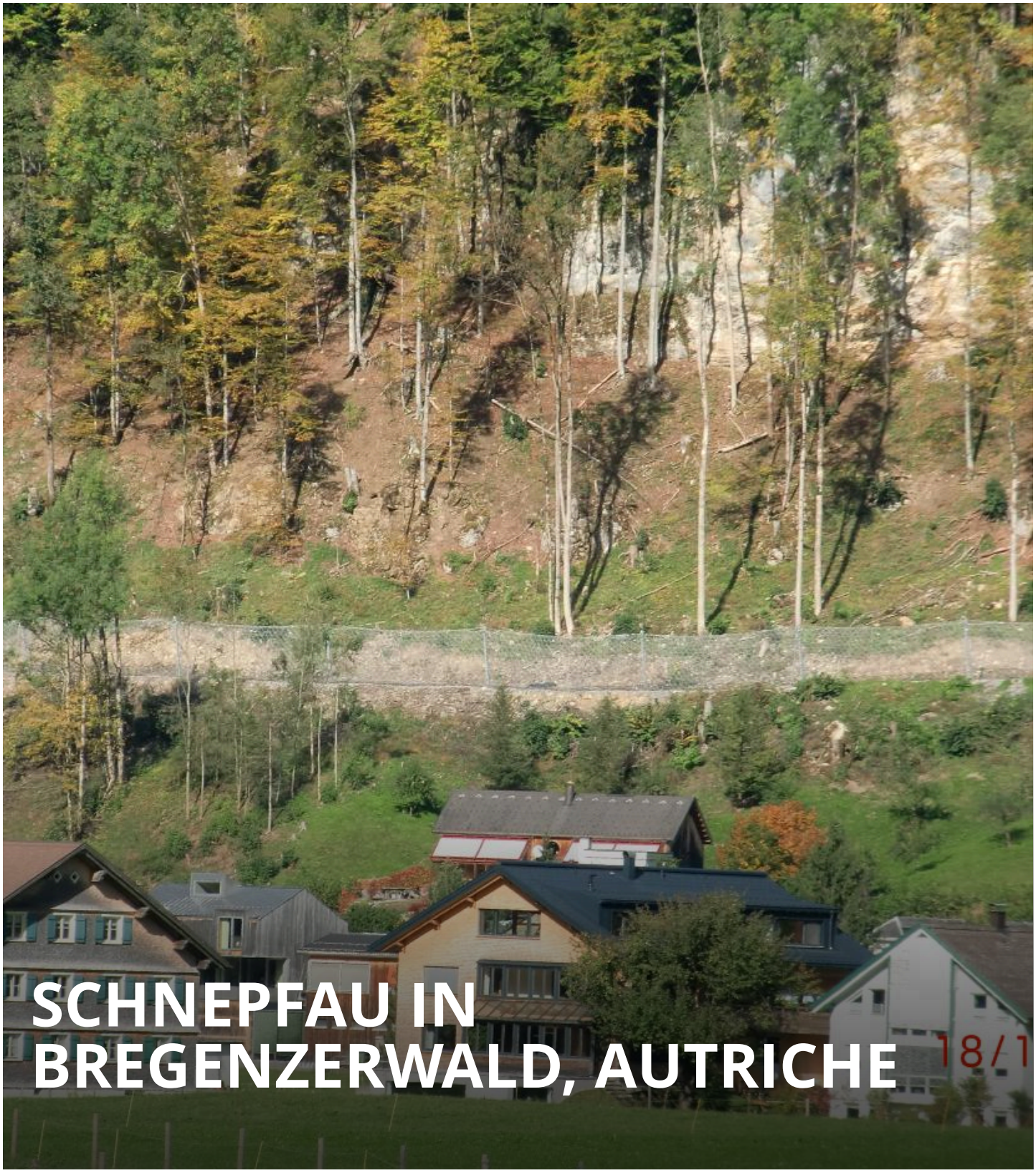

SCHNEPFAU IN BREGENZERWALD, AUTRICHE

Protection contre les chutes de pierres

BRUGG
Geobrugg
Safety is our nature

Schnepfau in Bregenzerwald

Protection contre les chutes de pierres

Projet	Schnepfau in Bregenzerwald
Ville	Schnepfau
Pays	Autriche
Année d'installation	2013
Client	Municipality of Schnepfau
Ingénierie	Regional Construction „Austrian service for torrent and avalanche control" – WLV Bregenz

Situation de départ

The village of Schnepfau is located below a woodland area. Time and again, the village plays witness to dangerous situations due to falling rocks and trees. In 2004, the municipality of Schnepfau filed a motion to install a protective structure above the settlement area and country road L28.

Most endangered were the homes and L28 Schnepfegg Straße road located directly beneath the mountainside. Causes included rockfall from the upper slope area and by loose boulders lying around in the woods, each with a volume of several cubic meters.

Slight tremors can cause loose boulders to roll downhill. For example, tremors produced by common forestry work present high risks for the area lower down. Infrastructure, facilities, and cars were repeatedly damaged. In the fall of 2006, rocks broke loose in the western part of the project.

For construction projects below the project area, official geological experts continually emphasized that the objects are exposed to considerable rockfall danger (excerpt from the technical report of WLV Bregenz).

Description

The district geologist decided to install a rockfall barrier of energy class of 1000 kJoule and a fence height of 4 meters. Geobrugg delivered the very first RXE barrier ever installed on a construction site. In addition, a new forest road was built. Additional advantages of that new access lead to the possibility of easily installing posts with preassembled net panels by truck with crane.

On the other hand, due to unconsolidated ground conditions, Geobrugg was forced to make some concrete foundations in combination with stabilizing tubes because the base-plates had to be located on the downhill side of the road. This was to guarantee the maximum passage height, so that the road could be traveled by tractor. Retaining ropes with lengths up to 20 meters long we also chosen.

Site protégé	Route/Rue, Bâtiment, Infrastructure touristique, Zone résidentielle, Infrastructure
Protection anticorrosion	galvanisé, GEOBRUGG SUPERCOATING
Classe d'énergie (kJ)	1000 kJ
Hauteur du système	4.0 m
Longueur du système	120 m - 120 m

Pour toute question, contactez votre spécialiste Geobrugg le plus proche

Roger Moor
Country Manager Ost- und Zentralschweiz, Liechtenstein
Téléphone+41 71 466 81 52
Mobile +41 78 783 46 81
Roger.Moor@geobrugg.com

Geobrugg
info@geobrugg.com | www.geobrugg.com