



# ARLBERG MOUNTAIN PASS - ROAD CONNECTION RAUZ-STUBEN, AUSTRIA

Consolidamento di versanti

# Arlberg Mountain Pass - road connection Rauz-Stuben

## Consolidamento di versanti

<b>Progetto</b>	Arlberg Mountain Pass - road connection Rauz-Stuben
<b>Luogo</b>	Stuben am Arlberg
<b>Paese</b>	Austria
<b>Anno di installazione</b>	2015
<b>Cliente</b>	Amt der Vorarlberger Landesregierung
<b>Progettazione</b>	GEOGNOS Bertle Technische Geologie Ziviltechniker GmbH
<b>Contraente</b>	HTB Baugesellschaft mbH
<b>Situazione iniziale</b>	<p>The Arlbergpassstrasse L197 road connects regions of Tirol and Vorarlberg. At the Rauz junction, the road becomes Lechtalstrasse L198. In winter it provides the only safe connection to the popular winter sports destinations of Lech and Zürs. The management of the Arlbergsstrasse, geographically situated in the right hillside of the Rauzbach river, had until now been subject to constant, extreme rockfalls, rockslides, and slope instabilities.</p>
<b>Descrizione</b>	<p>In 2011, a feasibility study was conducted into rerouting the road. In 2014, the Austrian state of Vorarlberg began the construction of five hairpin bends with a length of 1.3 km and at a cost of around 9 000 000 EUR. The new route loosely follows a rough historic path.</p> <p>Due to the high slope gradient, the serpentine roadways can only be guided with the appropriate support structures and by following gaps in the terrain. The removal of rocks from around 65 000 m<sup>3</sup> of the alpine Muschelkalk (shell limestone) and Arlberg rock formations was mainly carried out using explosives.</p> <p>The Nüziders subsidiary of civil engineering company HTB installed around 140 m of temporary GBE-500 rockfall protection barriers with an overall height of 3.5 m to enable safe construction and traffic flow. The permanent, active securing, of the newly formed tracks through the terrain using 11 445 m<sup>2</sup> of TECCO<sup>®</sup> System as well as measures to protect against erosion and snow slides using around 1680 m<sup>2</sup> of TECMAT<sup>®</sup> were also taken care of by HTB.</p> <p>In October 2015, the new 1.3 km route was approved – on schedule and in accordance with the latest road safety regulations.</p>
<b>Oggetto protetto</b>	Strada
<b>Altre applicazioni installate</b>	Protezione da caduta massi
<b>Protezione dalla corrosione</b>	GEOBRUGG SUPERCOATING
<b>Geologia</b>	Shell limestone and Arlberg formation.
<b>Area stabilizzata</b>	11445 m <sup>2</sup>
<b>Altezza del versante</b>	25 m
<b>Inclinazione versante</b>	40 ° - 80 °
<b>Rinverdimento</b>	Sì
<b>Tappeto anti erosione</b>	Sì
<b>Esposizione</b>	Sud-ovest

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

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