



GEISSHORN-ARENSA SNOW NETS, SWITZERLAND

Avalanche Prevention

Geisshorn-Arensa snow nets

Avalanche Prevention

Project	Geisshorn-Arensa snow nets
Location	Saas
Country	Switzerland
Year of installation	2012
Customer	Swiss Federal Road Office (ASTRA) / Tiefbauamt Graubünden
Engineering	Tur GmbH, Davos
Contractor	Bauunternehmung Vetsch Klosters AG
Initial situation	In winter 1999 (well remembered in the Alps for extraordinary snowfall and avalanches) National Road 28, to the ski resorts of Klosters and Davos, had to be closed. The initial location of those avalanches was the perimeter of this project.
Description	To ensure that avalanches of such scale and influence would not emerge from the Geisshorn mountain, the Federal Roads Office (ASTRA) and the Forest and Natural Hazards Office of the canton Grison, (AWN) entrusted the engineering company of Tur GmbH, to plan a mitigation solution. Due to its location, under the rockface where little rockfall is possible, Tur GmbH decided to use Snow Nets rather than rigid steel structures. This led to the installation of nearly 2000 [m] of Geobrug avalanche protection barriers (so called Snow Nets).
Protected object	Road, Building
Corrosion protection	Galvanized, GEOBRUGG SUPERCOATING
System length	- 1890 m
Effective height (Dk, snow thickness)	3.5, 4.0
Gliding factor	2.5, 3.2

For questions please contact our Geobrugg specialist at your side

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