

Mountainside Monitoring

Background

Guaranteeing service continuity for installations in remote areas, where maintenance is difficult to carry out, presents particular challenges. CAPETTI ELETTRONICA can even provide its systems in conditions such as these, thanks to its «SENTINELLA» WSD10DGII datalogger. This is powered by an integrated photovoltaic panel to avoid battery replacements, and provides potentially infinite autonomy and excellent performance even with indirect external light conditions.


The solution

The WineCap™ monitoring system for rockfall protection mesh, snow-barriers and general banking protection systems has 4 channels - linear wire strain, peak acceleration and inclination on two axes. In normal conditions inclination and deformation (wire elongation) is transmitted, however if one of the set thresholds is exceeded, the datalogger sends the values captured for the 4 channels to the control unit immediately.

The result

Even customers with the most challenging requirements are satisfied. Thanks to numerous installations with this type of instrumentation, GD Test can monitor important national and international infrastructure with the CAPETTI systems and their own technical expertise.



The winning choice 

- ✓ WSD10DGII (biaxial inclination + peak acceleration + linear deformation)