



GEO-ROPE

Geotechnical & Rope Access Solutions

Geo-Rope Ltd is an international specialist geotechnical and rope access contractor, providing a range of services for rail, highways, forestry, and quarry infrastructure projects across the world.

We take pride in having a wide skill set and the ability to deliver complex geotechnical solutions for landslide and debris flow mitigation and slope remediation works. Geo-Rope Ltd has emergency response teams for natural hazard events such as landslides, rock fall and tree fall.

GEO-ROPE SERVICES INCLUDE:

- Geotechnical improvement works
- Rope access
- Civil engineering design-build solutions
- Professional services
- Oil and gas inspection and maintenance
- Specialist equipment for difficult access solutions

CASE STUDY

For a landslide and erosion repair on the slope below the A82 road at Glen Gloy, Scotland, the designed solution was to install an anchored shotcrete wall where the bedrock outcropped to prevent further failures and erosion.

The client required a design life of 120 years, which necessitated the installation of double corrosion protection



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(DCP) anchors drilled into bedrock to fix the shotcrete wall in position. Geo-Rope Ltd used a combination of long reach plant and rope access A-frame to achieve this.

Rebar and sprayed concrete (shotcrete) were installed using a combination of rope access techniques, hand spraying, and the excavator mounted remotely manipulated nozzle (telespray) to achieve the finished shotcrete wall.

