



CASE STUDY

Coledale, Wollongong

Client Name:
Sydney Trains

Contract Value:
~500K

Dates:
19/09/22 –
20/10/2022

Location:
Coledale, NSW



Materials & Key Features

- Geobruigg Stainless Steel G65/3 Mesh
- Geobruigg Stainless Steel Wire Rope, Clips and Plates
- Galvanized/Epoxy Coated 11m/10m Long Soil Nails
- Stainless Steel Wire Rope Anchors
- Geobruigg Tecmat

Key Outcomes

- Provided slope stability to the Rail Corridor
- Maintained Rail Personnel access to Signal support and the Corridor
- Operated a Combination of mobile and Large Drilling Machinery in Tight Access Location
- Executed Safely in a Live Rail Environment with Zero Incidents
- All implemented Products achieved 120 year design Life Requirements





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Project Description

Sydney Trains engaged GSS to perform slope stability stabilisation measures at the Coledale Embankment in NSW. The projects' objective was to secure over 800m² of a trackside embankment to ensure no further risk of rock fall and soil movement in the area.

Scope of works

Ground Stabilisation Systems (GSS) implemented a combination of Tecmat and Stainless Steel Tecco mesh system to secure the embankment. The mesh was secured with a combination of 11m/10m soil nails and plates.

