

NORTHCONNEX TUNNEL PROJECT RELAY PROTECTION SCHEME



NorthConnex is a nine kilometre twin tunnel linking the M1 Pacific Motorway at Wahroonga to the Hills M2 Motorway at West Pennant Hills in Sydney's north.

Client: LendLease Bouygues JV

Year: January 2019 - May 2019

Product/Service: Electrical & Instrumentation

Scope of Work

- Design and construct test rig to simulate function test for Schneider MiCom Relays.
- Provide test results and reports for all tests completed.
- Provide advice and recommendations based on test results for alternative protection settings.
- Work closely with the clients High Voltage Engineering team to firm up protection settings for the project.

Project Delivery

EnerMech was engaged to test the LV/ MV and HV relays for the NorthConnex Tunnel Project.

EnerMech assembled a test rig and facilitated these tests in the Sydney Office.

Key Benefits Delivered

- Designed, manufactured and commissioned a relay test rig to simulate the operations of the Schneider MiCom Relays.
- Experienced senior Protection Engineers to deliver the scope of works.
- EnerMech's own local testing facility local to the project to facilitate the works with the client.