

Generator Protection Upgrade

*Project: Generator Protection Upgrade
Client: Mighty River Power
Location: Waikato
Contract Value: \$1m*

Eletrix were awarded the contract to upgrade the existing generator protection on Mighty River Power Stations and provide faster and cleaner generator protection systems

Upgrades were completed on the following hydro power schemes: Aratiatia, Ohakuri, Atiamuri, Whakamaru, Maraetai 1 & 2, Waipapa, Arapuni, Karapiro

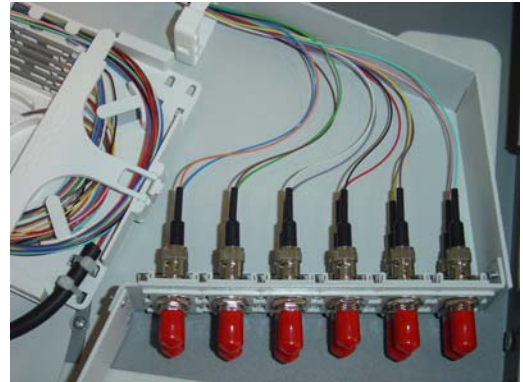
This involved running a 12 tube micro-duct ring main around each of the stations with a tube management box adjacent to each turbine. Each station consisted of approx 400 metres of duct.

The scope of work included:

- Running micro-duct ring main.
- Breakout and running tube micro-duct to the protection relay panel under upgrade.
- Blowing a 12 core OM1 fibre from the communications room to the relay panel
- Terminate & test.
- Interface to protection relay and the communications processor.
- The setup and confirming of communications.

One of the main challenges Eletrix faced was working amongst live plant and in hard to access areas. There were also tight time constraints

Through good planning and the execution of installation. Eletrix provided quality of service and results first time resulting with satisfied Clients.



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