

Otahuhu 220kV Diversity Project - 220kV GIS Installation Works

*Project: Otahuhu 220kV Diversity Project
– 220kV GIS Installation Works
Client: Areva T&D Australia Limited
Location: Otahuhu
Contract Value: \$5M*

Transpower's Otahuhu substation secures the power supply to Auckland and Northland. It has an unusual technical layout with 220kV transmission lines crossing over the 110kV and 220kV switchyards resulting from upgrades over the years. In order to improve the reliability of the substation, Transpower commissioned the construction of a new 220kV switchyard facility.

The design of the switchyard has a challenging switchgear configuration, in addition to 220kV underground cabling to avoid line crossovers and Gas Insulated Switchgear (GIS) and conventional Air Insulated Switchgear (AIS) for the outdoor installations.

The successful completion of this project demonstrates Electrix industry-leading 220kV capability and solid GIS expertise.

During the project Electrix had up to 100 staff on site to provide the necessary manpower for the 220kV cable connection and the GIS and AIS installation.



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