



Leichhardt Power Station

132kV Protection, Synchronising and Metering Cubicles

Background:

Diamantina Power Station (DPS) was constructed to provide high reliability power supply to the local industry and the city of Mt Isa.

Leichhardt Power Station provides a standby power plant, to be utilised in the situation where the available capacity from DPS is less than that required to meet the obligations under its off take agreements.

For Leichhardt Power Station, Welcon produced the 132kV secondary system design, selected protection relay devices, prepared protection setting reports, cubicle drawings and documentation.

Suppliers were engaged for the supply of components, manufacturing, testing, and delivery to site of the 132kV Protection Cubicle and the Synchronising and Metering Cubicle.

Welcon personnel also completed factory testing and site testing of the panels was also carried out.

Project Specifics

Client	Leichhardt Power Station
Location	Mount Isa, QLD
Year Completed	2014
Size / Quantities	60 MW Dual Fuel Gas Turbine 1 x 132kV Protection Panel 1 x Generator Synchroniser Panel
Services Provided	<ul style="list-style-type: none"> Protection Scheme Design Equipment Selection Equipment Procurement Cubicle Manufacture Protection Relay Settings Factory Testing
Delivery Method	Subcontractor for Constructor