

PROJECT PROFILE



Name:	KA24 Power Station	Client:	Ormat Pacific
Specifying Authority:	Norske Skog Tasman	Site Location:	Kawerau
Value at Completion:	\$579,000	Year Completed:	May 2008

Project

Description:

The Kawerau Geothermal Power Station is a 12 megawatt geothermal power plant located just outside the town of Kawerau in the Bay of Plenty region of New Zealand. The project was completed in July 2008 by Ormat.

The Kawerau Geothermal Power Station supplies power direct to Norske Skog Paper Mill & CHH Tasman Pulp Mill which reduces their demand on the county's main grid.

O'Donnell Griffin completed the Electrical, Instrumentation and commissioning of the Geothermal Power Station.

Technical Highlights:

- Electrical installation and commissioning of Ormat Pacific's Geothermal Power Station. This included the plants complete 11kv/400v power system, low voltage control, instrumentation and site electrical services.
- The 11kv system included high voltage cabling, termination and testing from one 12MW Generator to the network transformer.
- The project included the installation and commissioning of 400v, control and instrumentation cabling. Also included was the installation of the instrumentation including tubing and calibration of instruments.
- Commissioning was co-ordinated with Israeli engineers and the station was successfully synchronised to the network on schedule.

Environmental and safety

ODG Quality Control Documentation. Hazardous Area Installations for AZ.NZS2381.1:2005, AS/NZS3000:2007

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Initiatives:	Site specific requirements to comply with Ormat Health and Safety regulations and inline with Norfolk Safety program
Personnel:	Project Manager: Ken Allen Testing & Commissioning Technician and Coordinator: Cornel Ven Rensburg

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