

PROJECT PROFILE



Name:	Te Huka Geothermal Power Station	Client:	Ormat Pacific Inc
Specifying Authority:	Contact Energy	Site Location:	Centennial Drive, Taupo
Value at Completion:	\$1.1million	Year Completed:	May 2010

Project Description: Electrical installation and commissioning of Ormat Pacific's Geothermal Power Station in Te Huka. The site was commissioned in 2010 and delivers approximately 23 megawatts to the national grid. It is the first power station to be built on the Tauhara geothermal steamfield.

- Technical Highlights:**
- Complete installation of the 11kv/400v power system, low voltage control, instrumentation and site electrical services.
 - Installation of ABB VCB units, high voltage cabling, termination and testing from two 12MW Generators to the network transformer.
 - Each OEC used four 300kw Motive Fluid pumps and an extensive control and instrumentation system.
 - Commissioning was co-ordinated with Israeli engineers and the station was successfully synchronised to the network on schedule.

Environmental and Safety Initiatives: ODG Quality Control Documentation. Hazardous Area Installations for AZ.NZS2381.1:2005, AS/NZS3000:2007
Site specific requirements to comply with Contact Energy and Ormat Health and Safety regulations and inline with Norfolk Safety program

Personnel: Project Manager: Chris Parrish
Testing & Commissioning Technician & Co-ordinator: Ian Minchin

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