



## 6mW Diesel Power Station for new Lady Loretta Mine Glencore MIM Limited - North Western Queensland

**Client:** Glencore MIM Limited

**Date:** 2012

### SCOPE

i.Power Solutions was initially contracted to design and construct a 6MW standby power station based on 10 x 600eKW portable diesel Caterpillar Gensets.

This also included the design and construction of the Main HV and LV Switch Room packages and associated balance of plant.

i.Power also designed and installed seven custom power kiosks – compact, packaged outdoor power distribution systems that can be easily moved to other power infrastructure as the mine expands. The kiosks augment the standby power station by distributing the generated supply to various sites across the mine’s power network.

Part of the second phase of the project was the design and installation of a 11,000V reticulation system.

This project has provided a flexible, cost-effective solution for our client while showcasing our in-house electrical design capability and our range of power distribution solutions.

### OUTCOMES

The station was completed on time and within the budget (\$5.87M) . The forecasted man hours were not exceeded (22,000 Man Hours without any LTI’s.)

This Power Station was a significant undertaking for i.Power Solutions. The client was very impressed with the professional manner in which the job was executed and completed and as the job was such a great success, more opportunities at Lady Loretta Mine have surfaced in the interim.

**i.power**  
SOLUTIONS

[www.ipowersolutions.com.au](http://www.ipowersolutions.com.au)

21 Tingira Street Portsmith, Cairns,  
Queensland, Australia 4870

**T:** +61 7 4050 0000

**F:** +61 7 4050 0055

**E:** [sales@ipowersolutions.com.au](mailto:sales@ipowersolutions.com.au)

**Manufacturer, Engineering and  
Service provider of electrical  
infrastructure & equipment**

A Member of the AMI Group of companies

IME Solutions Pty Ltd t/as I.Power Solutions  
ABN: 34 630 015 413