



11kV New Switch Room – George Fisher North project

George Fisher Mine – Mt Isa

Client: Glencore MIM Ltd

Date: 2012

SCOPE

Glencore approached i.Power Solutions in 2010 to look at providing a turnkey solution for a new Main Switch Room unit at the 132/11kV Sub Yard at the GFN development. i.Power Solutions engaged with the client over the ensuing period and offered a fully engineered solution to address their specific requirements. The client reviewed the design and offer by i.Power Solutions and a contract was signed in 2011 to begin the new project.

A brief overview of the contract includes:

- Design of the new Switch Room system including full scoping, engineering and auditing and provision of Detailed Design.
- Supply and Installation of :
 - 1 x Custom designed and manufactured HV Switch Room including Light and Power, Air Cond and Fire systems. Also includes landings, mounting stumps, stairs and hand rails.
 - 11kV Main Switch Board incorporating all power control including circuit breakers, protection, monitoring and PLC equipment , UPS system, DC Trip Supplies and other associated Balance of Plant.
 - Installation of all Power and Control Cabling from Switch Room out to the field devices and any other associated systems.
- Site Testing and Commission of the GFN 11kV Main Switch Room and all other associated equipment and systems.
- Site Documentation package

OUTCOMES

The new system was commissioned in mid-2012 and then put into service. The new switch room has proved to be very reliable in the first year of operations with no significant breakdowns or outages recorded to date. i.Power Solutions has been proud to be a part of this project and is currently working with Glencore to investigate other opportunities.



i.power
SOLUTIONS

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

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

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