



Name:	Muswellbrook Coal Dual 55KW Dam Pump Starter Panel	Client:	Muswellbrook Coal Pty Ltd
Owner:	Muswellbrook Coal Pty Ltd	Site Location:	Muswellbrook, NSW
Value at Completion:	Approx. \$25,000	Year Completed:	2008

Project Description: The Starter Panels were custom manufactured in our sheetmetal facility from 316 grade stainless steel c/w galvanised angle stand and stainless steel weatherhood for operator protection. The Starter Panel consisted of an Incomer MCCB Section, PLC Control Section and 2 x 55kW Pump Starter Sections c/w Earth Leakage protection, auto/manual control and pre-start warning alarms (Audio & Visual). All internal components were shrouded with clear lexan covers to IP2X protection rating.

- Technical Highlights:**
- Electrical design and Acad SLD, Schematics and GA drawings
 - Custom manufacture of stainless steel sheetmetal work & galvanised stand
 - Electrical component fitout
 - Power cabling & control wiring
 - Signage and Labelling
 - Factory Acceptance Testing & Commissioning

Personnel: Switchboard Manager: Brett Dunning
Project Designer: Neil McLeod

Special Project The Dual Dam Pump Starter Panel was manufactured to IP66 protection rating

PROJECT PROFILE

Achievements	with the internal touch protection to IP2X rating.	
Quality Standards Applicable	AS/NZS 3000, AS/NZS 3439.1	
Specific OH & S Requirements	IP2X Touch Protection, Earth Leakage Protection and pre-start warning siren and flashing strobe light alarms.	
Referees:	Graeme Upward Project Engineer Muswellbrook Coal Ph: 0408 219 626	Peter Chorley Project Engineer PKI Pty Ltd Ph: 0408 640 463

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