

## PROJECT PROFILE



<b>Name:</b>	Austar Coal Mine CHPP Project	<b>Client:</b>	Austar Coal Mine
<b>Owner:</b>	Austar Coal Mine	<b>Site Location:</b>	Austar CHPP Paxton, NSW
<b>Value at Completion:</b>	Approx. \$850,000	<b>Year Completed:</b>	2009

**Project Description:** Manufacture & Installation of Motor Control Centres.  
The switchboards were manufactured utilising the Elsteel Techno modular, type tested switchboard system mounted on a custom manufactured HD galvanised channel plinth. The MCCs were constructed to Form 3b and IP55 degree of protection to fit within the confinement of an existing switchroom. The MCCs had to be designed to be able to re-terminate existing cabling without extending the cables and to suit existing floor penetrations for mains cabling.

- Technical Highlights:**
- Design of SLDs, Schematics, GA drawings and Enclosure Layouts.
  - Use of Schneider Tesys T Motor Protection Relays incorporating E/L and communications via modbus to SCADA.
  - Incorporate future capability to disconnect existing control panel for total process control by SCADA.
  - 6x Motor Control Centres
  - Factory Acceptance Testing & Commissioning
  - On site installation and Commissioning

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

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**Special Project Achievements** With approx. 1 weeks notice, the 6 off MCCs had to be designed, manufactured, installed and commissioned with-in a 10 week shutdown period which included the decommissioning of the existing switchgear.

**Quality Standards Applicable** AS/NZS 3000, AS/NZS 3439.1

**Specific OH & S Requirements** Form 4A Segregation, IP2X Protection.

<b>Referees:</b>	Greg Cross	Gordon Taylor	Steve Allenby
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