

PROJECT PROFILE



Name: Austar Coal Compressor SR04-DB01 No.3 Shaft 415V Distribution Board

Client: Austar Coal Mine

Owner: Austar Coal Mine

Site Location: Paxton, NSW

Value at Completion: Approx. \$110,000

Year Completed: 2008

Project Description:

Design and Manufacture of Main Distribution Board

The switchboard was manufactured utilising the Elsteel Techno type tested switchboard system to IP54 & Form 4a segregation and mounted on a custom manufactured HD Galvanised plinth. The switchboard incorporated dual 2500A bus systems with interlocked Bus-tie arrangement shrouded to IP2X protection rating. Earth Leakage protection was provided via Ampcontrol ELD Relays and Toroids for all outgoing supplies. The switchboard contained dual control supplies, 48VDC supplied from remote battery system for protection supplies and internal 110VAC supply for functional indication supplies.

Technical Highlights:

- Design of Single Line & Schematic Diagrams
- Switchboard design, General Arrangement & Layout Drawings
- Manufacture Distribution Board
- Factory Acceptance Testing
- On site installation
- On site testing and final commissioning

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Personnel:	Switchboard Manager: Brett Dunning Project Designer: Paul Dent
Special Project Achievements	Mine specific requirements for IP2X touch protection for personnel safety were achieved via custom lexan shrouding and danger/ warning labelling.
Quality Standards Applicable	AS/NZS 3000, AS/NZS 3439.1
Specific OH & S Requirements	IP2X Touch Protection, Earth Leakage Toroidal Protection
Referees:	Steve Allenby Engineering Manager Austar Coal Mine P/L Ph: 02 4993 7204

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