



Name:	Wambo Coal Loadout Conveyor 1600A LCS Isolator Panels	Client:	Wambo Coal Pty Ltd
Owner:	Wambo Coal Pty Ltd	Site Location:	Warkworth, NSW
Value at Completion:	Approx. \$60,000	Year Completed:	2008

Project Description: The 3 off 1600A LCS Panels were custom manufactured in our sheetmetal facility from 3mm 316 grade stainless steel c/w double thickness sloped roof for added strength. The LCSs consisted of 1600A rated visible break isolators with Fortress Key Interlocking for the isolator handle operation. The LCSs also included local control pushbuttons, "Isolation Verification" lighting and safety glass viewing windows in the internal escutcheons to allow the visible break contacts in the isolators to be viewed by plant operators. All internal bus bars were shrouded with clear lexan covers to IP2X protection rating.

- Technical Highlights:**
- Custom manufacture of stainless steel sheetmetal work
 - Electrical Component fitout and lexan shrouding
 - Bus bar works and control cabling
 - Signage and Labelling
 - Factory Acceptance Testing & Commissioning

Personnel: Switchboard Manager: Brett Dunning
Project Designer: Paul Dent

Special Project Achievements The LCSs were required in an extremely short timeframe after the failure of an existing isolator on site which halted the loading of coal. The initial LCS was manufactured,

PROJECT PROFILE

installed and commissioned within a week and subsequent LCSs within an additional 2 weeks limiting the downtime of the loadout facility.

Quality Standards AS/NZS 3000, AS/NZS 3439.1

Applicable

Specific OH & S Requirements IP2X Touch Protection, Fortress Key Interlocking, Visible Break Contacts and Isolation Verification Indication.

Referees:	Murray Hicks	John Sutherland
	Project Engineer	Project Designer
	Wambo Coal / IES	JTS Electrical Pty Ltd
	Ph: 0404 339 999	Ph: 0418 116 511

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