

PROJECT PROFILE

<i>Name:</i>	ALCOA PINJARRA EFFICIENCY UPGRADE
<i>Owner:</i>	Alcoa Pty Ltd
<i>Client:</i>	Alcoa Australia
<i>Project Description:</i>	Electrical and instrumentation installation works.
<i>Site Location:</i>	Pinjarra, WA
<i>Year Completed:</i>	August 2006



O'Donnell Griffin's work on the Pinjarra Efficiency Upgrade Project comprised of various packages throughout the operating plant including the complete installation of five new sub stations and the upgrade of other substation; a complete new mill installation and integration into the existing system; and the fabrication and Installation of Electrical and Instrumentation Equipment for the Evaporator Buildings. The scope of the works included the following:



- 13.3kV switchboards installation and associated HV cabling and testing..
- 33kV switchboards installation and associated HV cabling and testing.
- 5MVA Transformer Installation,cabling and testing.
- 3.3kV VSD's Installation,cabling and testing.
- 440V distribution boards PLC's and other equipment installation.
- Cable ladder and supports installation.
- HV and LV earthing throughout new works area and up grades of existing systems.
- 4000Amp Bus Duct and support steel work installation from transformer to sub station and.
- Fire Suppresion systems.
- Sub Station Air Conditioning.
- Communications systems.
- Stacker /Reclaimer modifications and electrical upgrades.
- Field Instrumentation and control junction box installation .
- 110VAC distribution boards,lighting,small power,welding outlet and pull trip installations.

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<i>Key Project Personnel:</i>	Jeff Rowlands – Project Manager, Rod Williams – Construction Manager, and Derick Munteanu, Jason Baxter, John Poole as key supervision.
<i>Special Project Achievements:</i>	Awarded monthly Contractors safety awards frequently during the course of the project.
<i>Quality Standards Applicable:</i>	ISO 9001:2000
<i>Specific OH & S Requirements:</i>	<p>The OH&S policies and procedures on this project were extremely rigid due to the volume of personnel working in an operating plant with dangerous and toxic substances used in the manufacturing process. Our reporting requirements included</p> <ul style="list-style-type: none">○ Project EHS Plan○ Hazard Risk Assessment for the specific scope of work undertaken.○ Standard work instructions.○ Task specific Job Safety Analysis.○ Daily/ Weekly Safety Statistics and reports.○ Daily pre start safety meetings and post work reviews.