



Name:	Rapid Growth Project – 5 (RGP5)	Client:	BHP Billiton
Scope:	Double the haulage capacity of the 'mine to port' railway line and duplicate 220km of route	Site Location:	Pilbara, WA
Value at Completion:	\$96.5 million +	Year Completed:	2011
Project Description:	<p>After the successful delivery of RGP 2, 3 and 4, BHP Billiton awarded O'Donnell Griffin the RGP5 Rail project, to the value of \$96.5 million.</p> <p>The contract represents an expansion of O'Donnell Griffin's responsibilities to provide a complete turnkey railway signalling solution covering design, fabrication, installation testing, commissioning and short-term maintenance.</p> <p>In order to deliver the project, a specialist test facility was built in Perth along with a dedicated design office and fabrication facility.</p> <p>Working closely with BHP Billiton, O'Donnell Griffin has reduced intrusive testing on site by 85% and has ensured that the interruption to the delivery of iron ore to the ports is minimised.</p> <p>The team has been acknowledged by BHP Billiton for its outstanding safety on the RGP5 project and is regarded as the leading team for safety on this project, setting the benchmark for other contractors.</p>		
Technical Highlights:	<ul style="list-style-type: none"> Design, install, test and commission new signalling system with Automatic Train Protection (ATP) 		

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- Design of line side equipment, software development for both line side and train borne systems, civil construction, factory testing, site testing, systems integration testing and final commissioning
- Design, installation and testing of on-board software for all locomotives in the BHPBIO fleet

Health & Safety Initiatives:

O'Donnell Griffin won the BHP Zero Incident and Injury Award, a regular periodic team award presented to the Best Contractor on the Rapid Growth Project. O'Donnell Griffin also won this award on RPG4. The O'Donnell Griffin team received this safety award for the continued high quality of their Safe Work Method Statements/Job Safety Analysis and for the rigor applied in using the "Take 5" methodology. Along with this award, the O'Donnell Griffin team is regularly recognised for having the best kept sites with signage barricading muster areas, along with a strong HSE team culture, e.g. members challenging visitors to sign on JHA's and seek permission to enter.

O'Donnell Griffin's safety management system 'Safety All Ways' is third party accredited to AS4801 – Occupational Health & Safety Management Systems.

Personnel:

Project Director: Adrian Gould
Ph. (08) 9235 4111

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