



## COSOL CASE STUDY

BHP Billiton  
Mitsubishi Alliance  
- Maintenance  
Procedures  
March 2007

### Our Client

BHP Billiton Mitsubishi Alliance (BMA) is Australia's largest coal producer.

The company accounts for more than a quarter of Australia's annual coal exports and 28 percent of the world's seaborne trade in metallurgical coal.

BMA owns and operates seven Bowen Basin mines; Goonyella Riverside, Broadmeadow, Peak Downs, Saraji, Norwich Park, Gregory Crinum, Blackwater and the Hay Point terminal near Mackay.

In April 2007, BMA commissioned the construction of a new coal handling and preparation plant to replace three existing plants with a capacity of 14 Mtpa.

COSOL was engaged from the commencement of construction by the BMA project team to produce an agreed set of maintenance work procedures and job safe work instructions to a pre-defined format, based on OEM technical information.

### Our Project

COSOL provided pivotal maintenance coordination between OEM vendors and the BMA project team to streamline the flow and accuracy of information as the project moved from design, through construction, to completion.

COSOL was also responsible for the establishment of equipment master data that would be maintained inside the BMA SAP system and provide the building blocks for all maintenance management and reporting requirements.

Close attention was paid to maintenance work procedures and job safe work instructions to create a safe and efficient work environment during and after commissioning.

### Our Delivery

The COSOL team had demonstrated skills and experience in maintenance and in the use of the SAP maintenance module. A sound understanding of the BMA operation, coupled with expertise in SAP data migration, manipulation, interpretation and loading rounded out the combined skill set.

COSOL interacted directly with vendors, OEMs and other parties to clarify issues in order to expedite outcomes, without needing to rely on existing BMA project resources.

The operation was able to immediately commence using SAP Plant Maintenance in line with the established BHP Billiton standards. Required system master data was available and accurate. Business processes were understood and personnel were trained to use the system.

Front loading the effort and completing this project during the construction phase provided a significant baseline for accelerating business improvement activities and contributed to a safer, low cost maintenance environment and increased asset availability.

***"The COSOL team was just part of the BMA project team. The interaction was seamless and value added during the project was obvious. At the end of the day it was the quality of COSOL individuals that made a difference"***

*- Tony Schuck, Maintenance Development Engineer Blackwater Mine*

### Contact Us

For further details email [enquiries@cosol.com.au](mailto:enquiries@cosol.com.au), visit [www.cosol.com](http://www.cosol.com) or call your nearest COSOL office.