

CASE STUDY

HAY POINT COAL TERMINAL STOCKYARD AUTOMATION

PROJECT PROFILE

BHP Billiton Mitsubishi Alliance (BMA)
55 MTPA coal terminal near Mackay
in Central Queensland.

ACS and SMS for Mobile Machines
(Stacker Reclaimers), and TMS for
Bulk Handling Facilities.

PRODUCTS HANDLED

- Coal

CAPACITY

- Third Berth expansion in 2015
- Increased export
from 44 MTPA to
55MTPA
- 6 Stockpile Rows
- 5 Stockyard Machines
- 3 Shiploaders

PRODUCTS USED

- PLCs
- Dell R720 Power Edge Servers



SCOPE OF WORKS

- Perform configuration of Anti-Collision System (ACS) and Stockyard Management System (SMS) for mobile machines and Task Management System (TMS)
- Perform audit / validation of existing models and configuration of ACS and SMS systems
- Task Management Systems (TMS) for existing plant and machinery
- Commissioning of two new Stacker/ Reclaimers
- Fully Autonomous Operations

OUR INVOLVEMENT

- Perth based configuration and testing of site Anti-Collision System (ACS), Stockpile Management System (SMS), and Task Management System (TMS)
- Site control system hardware installation, commissioning and testing
- Integration between managed control systems and external control
- ACS, SMS, and TMS commissioning of two stacker reclaimers
- Site Commissioning supervision and roster scheduling
- Performance monitoring and off-site support