



HPX3 Onshore and Offshore Project

HAY POINT COAL TERMINAL, QUEENSLAND

PROJECT OVERVIEW

CLIENT: BHP Billiton Mitsubishi Alliance (BMA)
EPCM: Bechtel
DURATION: Dec 2012 - Oct 2015
PEAK WORKFORCE: Over 400 people
ENVIRONMENT: Greenfield

The multi billion dollar third expansion at the Hay Point Coal Terminal involved building and commissioning a new berth to increase throughput capacity to 55 Mtpa and export capability to support eight mines located in the Bowen Basin.

G&S undertook the Structural, Mechanical, Piping and Electrical Instrumentation (SMP&EI) erection, installation and commissioning for all onshore materials handling structures and equipment. The works included the integration of seven pre-assembled towers and surge bin modules, and receipt and handling into position of pre-assembled conveyor gallery modules and buildings. Where works involved tie-in to existing operating equipment G&S undertook the shutdowns for each plant to allow works to be completed.

G&S' fabrication workshop facilities were utilised for the pre-assembly of client supplied items, as well as supply and fabrication of structural and piping items required for brownfield and tie-in works.

G&S electrical team carried out installation, terminations and labeling of high, medium, low and extra low voltage cabling (over 250km), fibre optic cabling systems, light and power systems; relocation and rerouting of required electrical, instrumentation and communication infrastructure and services; all in-ground and plant earthing systems; onshore plant instrumentation and control systems; integration of site fire, CCTV and security systems; and installation of transportable substation buildings.

The safe, timely and high quality delivery of all scope services by G&S Engineering onshore works resulted in G&S being the contractor of choice to take on further packages outside the original contract scope. The extra packages included onshore and offshore tie-in shutdown planning and execution, as well as commissioning support from pre-commissioning through to wet commissioning, and handover.

Over the past 10 years G&S has been awarded more than 30 contracts for Hay Point.

