

Pluto LNG Jetty

PROJECT DETAILS:

Location:	Burrup Peninsula, North Western Australia
Contract Value:	A\$200 million (2007)
Contract Period:	November 2007 - December 2009
Safety Statistics:	Manhours: 850,000 LTIFR: 1.19



CLIENT: Woodside Burrup Pty Ltd

Scope of Work:

In November 2007 Bam Clough Joint Venture (previously Harbourworks Clough Joint Venture) was awarded the contract to construct a new LNG Jetty as part of the Pluto LNG Project for Woodside on the Burrup Peninsular, near Dampier in Western Australia.

The works were undertaken in an equal joint venture with Interbeton bv of Holland, the same project team that completed the Woodside Train V LNG Jetty between 2005 and 2007.

The construction contract involved execution of the following:

- 300 metres of approach jetty bents and an abutment structure
- Placement of 10 client supplied PAUs for the approach jetty roadway and structure
- 50 metre x 40 metre loading platform
- Installation of all client supplied PAUs and mechanical equipment onto the loading platform
- Four breasting dolphins
- Six mooring dolphins
- Fabrication, supply and installation of nine catwalks interconnecting the dolphins
- Installation of five navigation leads and several floating buoys

Design of the Jetty was completed by others and typically comprised of steel piles which were drilled and socketed into the seabed. Precast concrete elements were then installed and insitu concrete was placed inside precast elements to complete the structure. Structural steel topsides were then lifted into place where necessary.

All construction works were self performed and utilised the Interbeton Jackup Barge, *IB909*, for primary construction activities with one of two floating barges following to execute secondary concrete activities, and completing topside installation.

