

# Train V LNG Jetty Expansion

## PROJECT DETAILS:

Location:	NorthWest Shelf Australia
Contract Value:	A\$120 million (2005)
Contract Period:	17 Months
Safety Statistics:	Manhours: 343,844 LTIFR: 0



## CLIENT: Woodside Energy Ltd

### Scope of Work:

The Harbourworks Clough Joint Venture (HCJV, now BAM Clough) completed a substantial contract to undertake construction of a 150 metre long jetty extension to Woodside Energy's existing LNG export marine terminal, at Withnell Bay near Dampier, in Western Australia. The brownfields project provided an additional berth loading facility for LNG export tankers with a capacity up to 145,000 cubic metres, as part of Woodside Energy's LNG Train V Expansion Project.

The existing LNG jetty, which was also built by the HCJV remained fully operational throughout the construction of the works, except during installation and tie in of the process piping at the jetty interface.

The jetty extension contract comprised the following:

- Approach jetty linking the new berth to the existing jetty.
- Roadway ramp on the existing LNG jetty roadway.
- Installation of structures for process piping tie-ins and walkways on the existing LNG jetty.
- LNG loading platform.
- Dolphin berthing system.
- Navigation aids.

The approach jetty extension and its superstructure is supported by driven tubular steel piles, some of which were anchored to the seabed with passive anchors.

A feature of the construction was the utilisation of Interbeton's jack-up rig, the IB-909, which was used for pile driving, and due to its heavy lift capability was able to handle the massive precast concrete beam installations.

Clough and Interbeton (now BAM) of the Netherlands form the HCJV. This project continued a 40 year long association between the partners in undertaking large scale marine project developments.

