

WOODSIDE NAVIGATION AID REFURBISHMENTS



PROJECT SPECIFICATION SHEET



OVERVIEW

Project Background:

TAMS were contracted to replace the topside navigation structures on four lead beacons which delineate the approach and departure of LNG, LPG and Condensate tankers into and out of Woodside's Karratha Gas Plant Facility.



Integrated service offering:

TAMS Construction Barge (TAMS9), Crew Transfer Vessel (ALKIRA), Tug (PEGASUS) and Multicat (TAMS ANNEMARIE) comprised the primary installation fleet, with support from TAMS PASSAGE (Utility and ERV) as well as TAMS11 for specific pile protection system application. TAMS ANNEMARIE was mobilised with a compliant Dive Spread to facilitate subsea cathodic protection refurbishments and ancillary support services.

TAMS' Scope of Work:

- ▶ Demolition of existing structures on four navigation aids.
- ▶ Internal hydrodemolition of existing concrete strengthening and seabed to pile toe.
- ▶ Installation of clamped fender and bottom ladder arrangement through temporary access platform
- ▶ Pile strengthening utilising N32 reo-cages and cementitious grout.
- ▶ Grouting of the connection splice (annulus).
- ▶ Application of pile corrosion prevention and sealant system, STOPAQ to the spliced connection.
- ▶ Installation and commissioning of new range lights and navigation aid lanterns, incorporating GSM monitoring and control systems.



WOODSIDE KGP CHANNEL NAVIGATION AID REFURBISHMENT PROJECT



Recovering redundant Navigation Aid to the deck of TAMS9 Construction barge, with TAMS ANNEMARIE (Multicat) and PEGASUS (Tug) alongside.



Installation of replacement topside structure with temporary access platform in place to support pile protection system application



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