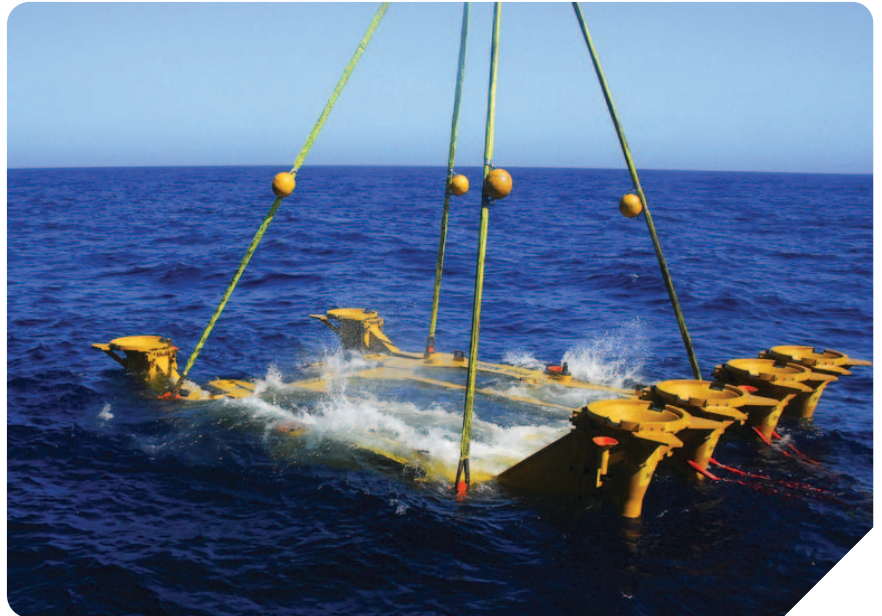


Woodside Pluto LNG Subsea Installation



Client:
Woodside Burrup Pty Ltd
(WBPL)

Location:
Western Australia

Project Type:
SURF

Subsea 7* was contracted to complete the subsea installation works on this pivotal project in Western Australia, expected to contribute significantly to the Australian economy.

The Pluto Project commenced with Concept and FEED Studies, followed by two years of detailed engineering and design work by a fully integrated Woodside/Subsea 7 team who were based in the Perth office.

The results achieved by this integrated and dedicated team approach concluded in a highly successful subsea installation campaign. The work scope included subsea structures, diver and diverless spools installations, umbilicals, pigging, testing, survey and pre-commissioning. Subsea 7 delivered the Project 29 days ahead of schedule with zero reportable incidents.

*Project carried out by Acergy prior to merger with Subsea 7.

Pluto LNG Subsea Installation

Project

Pluto LNG Subsea Installation

Client

Woodside Burrup Pty Ltd (WBPL)

Location

Western Australia

Project Type

SURF

Date Awarded

2008

Date Completed

2010

Vessel Utilised

Toisa Proteus

Overview

The project will process gas from the Pluto and Xena Gas Fields, located in the Carnarvon Basin about 190km north-west of Karratha, Western Australia. The fields are estimated to contain 4.6 trillion cubic feet (Tcf) of dry gas reserves.

The initial phase of the Pluto LNG Project comprises an offshore platform in 85m of water, connected to five subsea wells on the Pluto Gas Field in 830m of water. Gas will be piped to shore in a 180km trunkline.

Our scope of work on this project consisted of the project management, installation engineering and interface engineering in relation to offshore construction work.

The main components of the scope were:

- Subsea structures including; suction piles, interface structures, gravity bases and production packages
- EHU installation (platform pull-in upto 850m WD)
- Coiled tubing MEG line platform pull-in including PLET structures (upto 850m WD)
- Diver installed platform tie-in spools (upto 36" diameter)
- Deepwater diverless spools (8" - 20" diameter)
- EHU & MEG Jumpers
- Flooding and testing trunkline and flowline system
- Flooding and pigging of 4" MEG line, system and EHU testing
- Pre-commissioning support
- As Built Surveys

The project was completed ahead of schedule and demonstrated excellent safety performance achieving zero DAFWCs in over 317,000 manhours.

Our ongoing collaboration with our client, Woodside, has ensured the success of this project, enabling a great level of cooperation between the client and Subsea 7. We believe this strong relationship made it possible to seize opportunities that generated cost savings and reduced risk to both parties.

Key Facts

- Total operational duration: 133 days
- 30 day saturation diving campaign
- Commended HSEQ performance
- Project delivered 29 days ahead of schedule
- Project delivered under budget with cost savings for the client
- 3 HLVs were used on the project with loadouts completed in Europe, SE Asia and Australia



Suction pile



Spoolpiece



Reels lifted onboard