

Petrobras PRA-1



Client:
Petrobras

Location:
Campos Basin, Brazil

Project Type:
SURF

Subsea 7* was contracted to work on this SURF Project for Petrobras to execute the metrology, fabrication and installation of inter-connecting spools, in the Campos Basin, offshore Brazil.

We worked to install three PLEMs and complete the spool tie-ins from the 10-inch and 20-inch gas pipelines and 20-inch oil export system. Working as a global team, Subsea 7 provided engineering and project management support from its Houston office, while local SURF capabilities were developed in Brazil.

Throughout this project we maintained a constant focus on safety, achieving excellent results for the duration of the offshore operations.

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

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Project

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Campos Basin, Brazil

Project Type

SURF

Date Awarded

2006

Date Completed

2008

Vessels/Spoolbases Utilised

Acergy Discovery
Acergy Harrier

Overview

This development delivers oil via two mono buoys, and an FSO. The gas is used by PRA-1's energy generation system.

Our scope included tie-ins of the oil lines from the Oceanic Terminal and tie-in of the export lines at Platform PRA-1. Subsea 7 carried out the following installation and pre-commissioning activities:

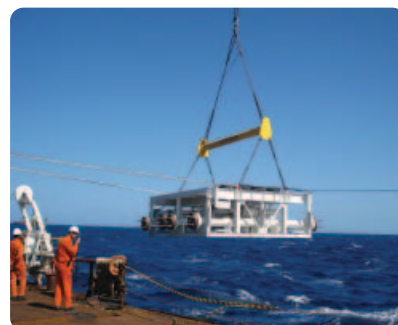
- Post-lay survey of the lines laid by Petrobras
- Installation of the FSO, MB1 and MB2 PLEMs to the Oceanic Terminal
- Passing the calibration pig and hydrostatic tests on the lines laid by Petrobras
- Measurement/sizing and tie-ins of:
 - 20-inch oil lines to the Oceanic Terminal
 - 20-inch and 10-inch gas lines to the PRA-1 gas system
 - P51 pipeline to PRA-1
 - P52 bypass PLEM to PRA-1
 - Bypass PLEM to the P52 pipeline
 - P53 pipeline to PRA-1
 - P54 pipeline to the PLAEM-RO
- Leak detection test throughout the Oceanic Terminal and discharge of the test water
- Dewatering, drying out and nitrogen purging the 10 and 20-inch gas pipelines



Acergy Discovery



Acergy Harrier



Transfer of equipment



PRA-1 Platform