

BP Atlantis

PROJECT OVERVIEW

BP Atlantis, Gulf of Mexico, USA



Installation of umbilicals and flying leads for the development of BP's Atlantis field in the Gulf of Mexico, USA.

Project included the following elements:

- 6 x hydraulic/chemical injection dynamic umbilicals - ranging in lengths from 5.1km to 6.0km
- 2 x electric fibre optic dynamic umbilicals - ranging in lengths from 5.1km to 5.8km
- 1 x hydraulic static umbilical - 3.4km length
- 1 x electric fibre optic static umbilical - 3.3km length
- Steel tube flying leads and electric flying leads (SFLs & EFLs)
- Post-loadout and post-installation testing of umbilicals

LOCATION

The Atlantis field is located in the Gulf of Mexico's Green Canyon Block 699 in a water depth of 2164 metres.

CLIENT

BP America

PROJECT DURATION

Contract Award:	October 2002
Offshore Installation Phase 1:	March - April 2007
Offshore Installation Phase 2:	June 2007
Offshore Installation Phase 3:	February to March 2008

ASSETS

Toisa Perseus



Umbilical installation on the Toisa Perseus



Loadout of umbilical in Norway

SCOPE OF WORK

The BP Atlantis Project is a development in the deepwater sector of the Gulf of Mexico approximately 118 nautical miles south of Port Fourchon, Louisiana in a water depth of 2164m.

Subsea 7 was awarded the contract for the installation of umbilicals and flying leads for the Drill Centre 1 (DC1) development at Atlantis. The scope of work also included post-installation testing of the umbilicals, performed from the Atlantis host facility. Post load-out testing was carried out in Halden, Norway.

Project management, engineering and procurement of major items were executed from Subsea 7's North America office in Houston.

In November 2005 the umbilicals were loaded onto the reels, post loadout tested and transported to a storage facility in the Gulf of Mexico (Allison Marine, Fourchon, Louisiana). In addition to the 8 dynamic umbilicals, an additional scope of work was added which included the transportation and installation of two static umbilicals to be initiated at DC1 and laid out to DC3 north of DC1.

The installation campaign was broken up into three phases starting in March of 2007 and finishing in March of 2008. The pipelay and construction vessel used was the Toisa Perseus.