



Client:
BP

Location:
Norwegian North Sea

Project Type:
SURF

Located on the Norwegian Continental Shelf, the Skarv Field is currently the largest ongoing field development offshore Norway. The field will be developed using a large production vessel and an 80km gas export pipeline connected to the Åsgard Transport System. The fields will be developed using 15 to 16 subsea wells and are expected to go into production in August 2011.

The scope of work on this project is extensive and includes large scale engineering, procurement, installation and commissioning works. Work on the development includes the engineering, fabrication and installation of 42km of flowlines, installation of flexible risers, subsea templates structures and the tie-in of flowlines, risers, umbilicals and the gas export pipeline.

The workscope detailed for BP Skarv includes works awarded to both Subsea 7 and Acergy before the merger of the two companies in January 2011.

Project

BP Skarv

Client

BP

Location

Norwegian North Sea

Water depth

325m to 375m

Project Type

SURF

Date Awarded

2007

Date Completed

N/A

Vessels/Spoolbases Utilised

*Vigra Spoolbase
Acergy Petrel
Normand Mermaid
Skandi Acergy
Seven Seas
Seven Sisters
Subsea Viking
Skandi Seven
Toisa Polaris
Seven Navica
Seisranger*

Overview

The BP Skarv scope of work comprises survey activities, installation of subsea structures, control umbilicals, dynamic umbilical and flexible risers, tie-in and pre-commissioning of all flowlines, risers, control umbilicals and the gas export pipeline.

Additionally, Subsea 7 will conduct the engineering, fabrication and installation of 42km of single flowlines, consisting of 35km 12-inch and 10-inch diameter clad production flowlines and 7km 10-inch diameter carbon steel gas injection flowlines. A direct electrical heating (DEH) cable will also be attached to the 13km Idun flowline which is a part of the 35km of production flowlines.

Fabrication of the flowlines has been carried out at Subsea 7's North Sea pipeline fabrication facility at Vigra on the West Coast of Norway.

Subsea 7 is also carrying out the installation and hook up of ten flexible risers plus two dynamic umbilicals. These will be pulled into the FPSO and connected. Subsea 7 will flush the risers with inhibited fresh water, pressure test the risers and prepare the seabed.

The campaign will conclude with pre-commissioning and tie-in operations.

This project has demonstrated Subsea 7's "one team" approach and its ability to timely and efficiently communicate lessons learned from its global operations, as well as share specific engineering skills and expertise through its global engineering centres of excellence. This has ensured the safe, timely and efficient delivery of this project to date.



Skarv load-outs



Flowline fabrication at Vigra, Norway



Skandi Acergy