

Aasta Hansteen is the largest SURF contract awarded from Statoil. It is the first development combining deepwater installations and harsh environment, including tow out and hook-up of the world's largest SPAR FPSO with Steel Catenary Riser (SCR) system and reeled installation of BuBi® mechanically lined pipe.

Offshore campaigns will take place in 2015, 2016 and 2018. Fabrication of flowlines and SCRs have been performed at Subsea 7's spoolbase in Vigra.

Aasta Hansteen – Subsea Lines and Marine Operations

Project

Aasta Hansteen –
Subsea Lines and
Marine Operations

Client

Statoil Petroleum AS

Location

Aasta Hansteen

Water depth

1,300m

Project Type

SURF (EPIC)

Date Awarded

February 2013

Date Completed

December 2018

Vessels/Spoolbases Utilised

*Seven Oceans,
Seven Viking,
Havila Subsea,
Normand Oceanic,
Skandi Acergy,
Skandi Skansen,
Vigra Spoolbase*

Overview

The Aasta Hansteen Field is located in the northern part of the Norwegian Sea on the Vøringplatå approximately 300km west of Bodø, Block PL218 at 1,300m water depth, and is the name given to the three independent reservoirs of Luva, Snefrid and Haklang.

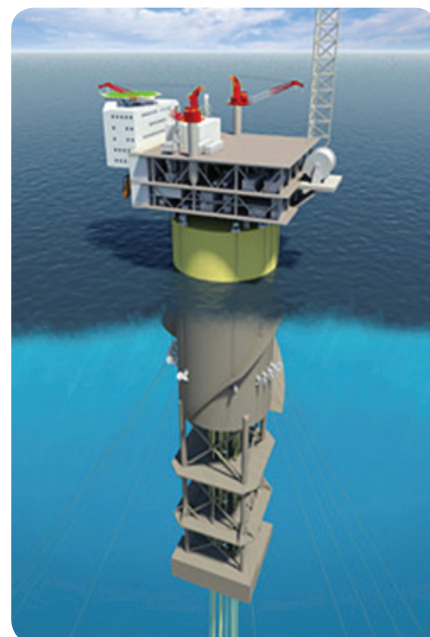
Recoverable reserves are gas and some condensate. The development concept comprises of subsea wells with three templates tied back to a Spar platform. The rich gas will be exported through the POLARLED flowline to Nyhamna, and condensate will be stored and offloaded offshore.

The Aasta Hansteen Flowline system consists of:

- Two production flowlines from the Luva template to the platform
- One production flowline from the Haklang template to the platform
- One production flowline from the Snefrid template to the Haklang template
- Three steel catenary risers for the production flowlines
- One export steel catenary riser to the export pipeline system.

The Subsea 7 scope of work includes:

- EPIC of 18km flowlines and 4 off SCRs with associated SCR/flowline anchors and monitoring equipment.
- Subsea 7 will supply the BuBi® mechanically lined pipe for the flowlines
- EPIC responsibility for the rigid spools from flowlines to manifolds
- EPIC responsibility for the SPAR mooring anchors
- Installation of umbilical system and manifolds
- Transport and installation of mooring lines (17 off) for the Spar FPSO
- Tie-in of flowlines and umbilicals
- Pre-commissioning
- Tow-out of the Spar FPSO from Stord to the Aasta Hansteen Field
- Hook-up of the mooring line system to the SPAR FPSO
- Pull-in and hang off of SCRs and umbilical to SPAR.



SPAR platform



Vigra Spoolbase

October 2016