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 and 2016 with an estimated 350 vessel days. Fabrication of flowlines and SCRs will be at Subsea 7’s spoolbase in Vigra.

The project will focus on utilising local suppliers where possible and will see the establishment of a Subsea 7 office in northern Norway.
Aasta Hansteen –
Subsea Lines and Marine Operations

Overview
The Aasta Hansteen Field is located in the northern part of the Norwegian Sea on the Voringplatå approximately 300km west of Bode, 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 selected mating and hook-up fjord 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
- Survey.

Project
Aasta Hansteen – Subsea Lines and Marine Operations

Client
Statoil Petroleum AS

Location
Aasta Hansteen

Water depth
1,300m

Project Type
EPIC

Date Awarded
February 2013

Date Completed
December 2016

Vessels/Spoolbases Utilised
Seven Oceans,
Skandi Acergy,
Skandi Skansen,
Acergy Viking,
Seven Pacific,
Normand Oceanic,
Skandi Seven,
Vigra Spoolbase