



HYWIND SCOTLAND PILOT PARK

Statoil Hywind Project



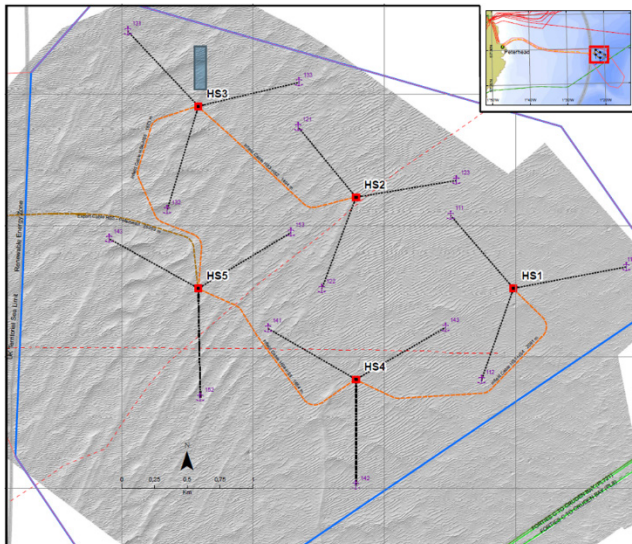
Project Details

Location: Buchan Deep, North East Scotland
 Water Depth: 110m
 Date: July & August 2017
 Client: Solstad A/S



Scope Of Work

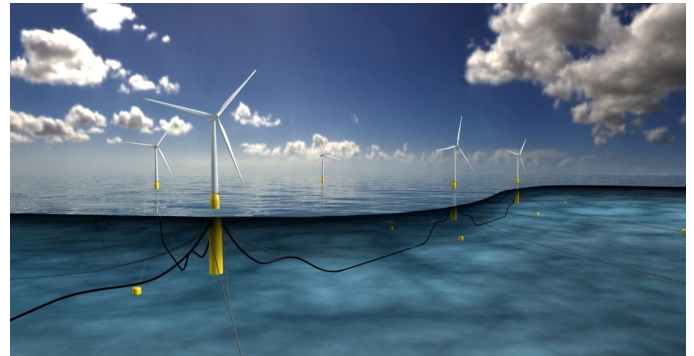
iSURVEY was contracted by Solstad A/S to provide personnel and survey services on board the M/V Normand Prosper. The vessel performed the mooring chain pre-installation & hook-up of the five floating wind turbines (FWTs).



Hywind Field Layout

iSURVEY scope of work involved provision of:

- Survey & Positioning support during various ROV pre-installation surveys including debris, UXO and GVI.
- Multi-vessel navigational support during the tow of the FWTs from Stord in Norway to the Hywind Site; over 250 nautical miles.
- Survey measurement and analysis during the mooring chain temporary laydown and cut-to-length calculations.
- Surface and subsea positioning support during the hook-up of the five Hywind FWTs.



Hywind Field Schematic

An iNAV® system provided online positioning of the lead control vessel – M/V Normand Prosper. iSAFE® Tug Management Systems (TMS) were installed on the four additional support vessels, enabling the Tow Master to have full visibility of all vessel operations.



Hywind Installation

The iSAFE® system provides live graphical and numerical information about the support vessels position and also communicates via radio link with the iNAV® system onboard the control vessel, and other iSAFE® involved in multi vessel operations.

Subsea positioning was provided using the lead vessel USBL system. This allowed ROV positions to be displayed and recorded during pre-installation, mooring line deployment, and as-installed surveys.

Following completion of the installation operations ROV surveys were carried out along the full length of the mooring lines, to the mooring chain touchdown point.

The Hywind Scotland Pilot Park is a world first in the floating wind market, developed by Statoil.

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