Skandi Skansen
Construction Anchor Handling Vessel
The Skandi Skansen is a new generation high powered anchor handling vessel designed for field installation operations across a wide range of water depths and environmental conditions. The Skandi Skansen also features STX’s new bow design, optimised for Eco-drive in all weather conditions.

**Introduction**

**Capabilities**
The Skandi Skansen is a versatile multipurpose Construction Anchor Handling vessel, ideally suited to deepwater mooring and field installation operations. Built to meet future environmental standards, the vessel is fuel efficient and clean class, thus having the capability to work in most of the world’s offshore oil and gas precincts. At 109m long, operating capabilities include a working moonpool, a 250t offshore crane, “Safe Deck” manipulator crane system, an optional 350 T A-frame, a main winch capacity of 500 T and secondary of 170 T and a bollard pull of above 350 T. The Skandi Skansen has an in-built Schilling UHD work class ROV and a working deck area of 1,070 m².

**General Description**

<table>
<thead>
<tr>
<th>Name</th>
<th>Skandi Skansen</th>
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<tbody>
<tr>
<td>Type</td>
<td>AHTS Construction and Field Support vessel</td>
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<tr>
<td>Owner</td>
<td>DOF Installer ASA</td>
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<tr>
<td>Class</td>
<td>DNV 1A1, SF, SUPPLY VESSEL, TUG, E0, DYNPOS-AUTR, (IMO DP II), Comf-V(3), CLEAN DESIGN, NAUT OSV, Helidk-SH, T-MON, DK(+), HL(2,8)</td>
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<tr>
<td>Built</td>
<td>2011</td>
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## Technical Specification

### Main Dimensions
- Overall length: 109.6m
- Length between pp: 98m
- Breadth: 24m
- Depth: 9.8m
- Draft: 7.8m

### Cranes
- Manufacturer: National Oilwell Varco (NOV)
- Type: AHC Knuckleboom crane
- Main hoist: 250 T @ 13 m
- Auxiliary hoist: 20 T @ 40 m
- Main and auxiliary hoist wire lengths: 2,500 m
- AH-50, 10T
- 2 x provision crane: 3.0 T / 16 m
- 2 x AH-cargo rail cranes: 5 T / 2.6 - 10 m
- Main and auxiliary hoist wire lengths: 3 T / 2.6 - 14.3 m
- A frame (optional): 350 T SWL

### Winches
- Main
  - 1 x BRATTVAAG Water Fall triple drum (SL500W-3)
- Towing / working drums - 500 T
  - 1 x Declutchable towing drum: 1,500 mm Ø x 3,750 mm Ø x 4,100 mm length
  - 1,500 mm Ø x 3,750 mm Ø x 4,100 mm length
- Wire capacity: 6,700 m of Ø 76 mm each
- Anchor handling drum - 500 T
  - 1 x Declutchable ah/wire drum: 3,500 mm Ø x 5,400 mm Ø x 8,200 mm length
  - With dividing flange socket part: 18,700 m of Ø 76 mm wire

### Generators
- Main: 4 x Wartsila 8L26 (2,600 kW each)
- Harbour / Emergency: 1 x Nogva (220 kW)

### Diesel Propulsion Service
- Bow: 2 x Lips (1,500 kW)
- Stern: 2 x Wartsila Lips Tunnel (1,500 kW each)

### Deck Space
- Main deck area: 1,070 m² @ 10 T / m²
- Deck material: Timber
- Mooring: 7 m x 7 m
- Chain locker: 1,190 m³

### Endurance
- Fuel Consumption
  - In port: 3 / 24 hrs
  - Transit: 3 m³ / 24 hrs
  - DP: 23 m³ / 24 hrs
  - FW making capacity: 8 m³ / 24 hrs

### Capacities
- Marine diesel oil: 1,800 m³
- Fresh water: 1,000 m³
- Ballast water: 4,000 m³

### Accommodation
- 90 persons in 55 single / double cabins

### ROV (Integrated)
- 1 x Schilling UHD Work Class
- Optional Equipment
  - (Installed on Mezzanine Deck)
  - Secondary Work Class ROV
  - Observation Class ROV

### Power and Propulsion
- Main engines
  - 2 x Wartsila 16V32 (7,680 kW each)
  - Bollard pull: Above 350 t

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All specifications are subject to changes without prior Notice. Please contact us for details and verifications.
With 1,070 m² main deck space, large work moonpool and sophisticated equipment for safe and efficient field development, including “Safe Deck” manipulator crane system, the Skandi Skansen is ideally suited to conduct deepwater construction installations.
The vessel is fitted with a fully redundant Kongsberg K-Pos DP21 Dynamic Positioning System. There is one HiPAP 500, two satellite positioning systems (DGPS) and a Fanbeam.
Cranage Capacities

The pedestal mounted active heave compensated knuckle boom crane is located on the starboard side of the main deck. It has a 250 T capacity at a radius of 13 m. The optional stern mounted A frame has a 350 T capacity. There are two auxiliary cranes, both with a capacity of 3 T and 16 m, and two Rolls Royce Marine Safe Deck AH-handling cranes are mounted on cargo rails.
Work Class ROV

The Schilling UHD is a state of the art heavy duty work class ROV system, able to cope with the most demanding offshore applications. A wide range of modern tooling and sensors can be accommodated and it has been designed to allow prolonged and accurate operation.

General Description

- Depth rating: 4,000 MSW (3,000 MSW Installed)
- Power: 200 HP
- Payload Capacity: 400 kg
- Through Frame Lift: 3,500 kg
- Control Modes: Heading, Depth, Altitude & Auto Position
- TMS Top Hat Design

Capabilities

The ROV has a power unit rated at 200 HP with 4 horizontal and 3 vertical thrusters. The Thruster Control Manifold is equipped with 4 spare proportional valves and 2 spare Solenoid valves, and the tooling manifold is fitted with 5 spare proportional valves and 1 spare Solenoid valve. The ROV is fitted with Schilling T4 seven-function and and Schilling Rigmaster five-function manipulators, 16 station proportional main manifold and 12 station proportional tooling manifold as standard. The survey junction box allows for the easy integration of all modern sensors and additional cameras.

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Contacts

If you would like further information or would like to contact us about our services or equipment, please visit our website: www.dofsubsea.com

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