

France-Norway Technology Partnership Solutions for Cleaner Energy Conference

Paris, May 30th 2018



- Subsea 7
- Offshore renewable business line
- Beatrice project
- Hywind project



Subsea 7 – What we do



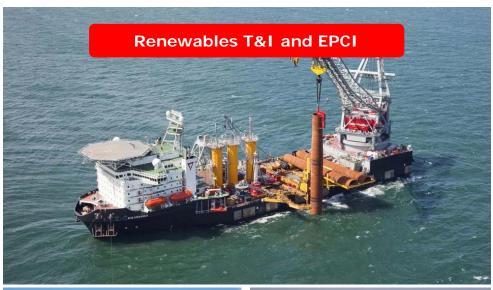
Subsea 7 - Offshore Renewable Projects



In March 2017 Subsea 7 acquired the remaining 50% ownership interest in its joint venture **Seaway Heavy Lifting**, in order to increase Subsea 7's participation in Renewables and Heavy Lifting services, where Subsea 7 expects increased activity and long-term growth.

In 10 April 2018 Subsea 7 announced completion of the acquisition of Siem Offshore Contractors, in order to increase Subsea 7's Renewable solutions portfolio with Cable laying and two vessels Siem Aimery and Siem Moxie.

Subsea 7 – Offshore Renewable projects – What we do?









"Our goal is to provide our clients with the most effective and added value solutions. This goal is supported by our highly skilled and motivated workforce, quality assets and our continuous focus on new technologies".

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Seaway Heavy Lifting

Headquarters in The Netherlands (Zoetermeer) Regional offices in UK, Germany, France, USA, Taiwan, Cyprus

Offshore Renewables
Oil & Gas Heavy Lifting & Decommissioning



2 Crane Vessels:

Stanislas Yudin Oleg Strasnov

Marine base in Rotterdam (NL)

Offshore / Onshore : 850 employees

Siem Offshore Contractors

Headquarters in Germany (Leer)

Offshore Renewables – Cable laying The two state of the art vessels are equipped with high quality support equipment and operated by highly skilled personnel





2 Cable Vessels:

Siem Aimery Siem Moxie

Marine base in in Eemshaven (NL)

Offshore / Onshore : 120 employees

Subsea 7 in France

Based in Suresnes

More than 500 employees including circa 300 engineers

Subsea7 hosting

- Corporate teams
- Pipeline Group Service provider
- Offshore resources teams
- Management team of Africa Region
- One of the two S7 Global Project Centres
- Offshore renewable projects



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Subsea 7 – Offshore Renewable projects – some track records

Seaway Heavy Lifting











Wikinger (substation)
Walney extension (substation)
Galloper (substation)
Merkur (substation)

Arkona Becken (substation)

Beatrice (substation)

In progress

East Anglia substation Borssele Alpha & Beta substation Elia substation

Borkum West II (Jacket foundations)
Meerwind Süd|Ost (MP foundations)
Baltic 2 (Jacket foundations)
GlobalTech I (Jacket foundations)
Dudgeon (MP foundations)

In progress

Beatrice - EPCI of Jackets and Cables
Borkum West II - EPCI of Monopiles and TPs

Siem Offshore Contractors



Baltic 2 OWF, 33kV Inner Array Grid Cable System (2014-2015)



Humber Gateway, 33kV Inner Array Grid Cable System (2014)

Amrumbank West OWF, 33kV Inner Array Grid Cable System (2014-2015)



Nordsee 1 OWF, 155kV Export Cable System (2016)



Nordsee 1 OWF, 33kV Inner Array Grid Cable System (2016)



Veja Mate OWF, 33kV Inner Array Grid Cable System (2016-2017)

In progress





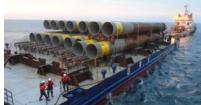


Fixed wind farm - Beatrice EPCI project









Seaway Heavy Lifting

Scope

- 84 Foundations (EPCI)
- 91 Array Cables (EPCI)
- T&I of 2 Substations

Supply Chain

Engineering

Atkins

Fabrication

- Bladt (Jackets)
- Smulders (Jackets)
- Bifab (Jackets)
- EEW (Piles)
- SIF (Piles)

Cables EPCI

• Siem Offshore Contractors





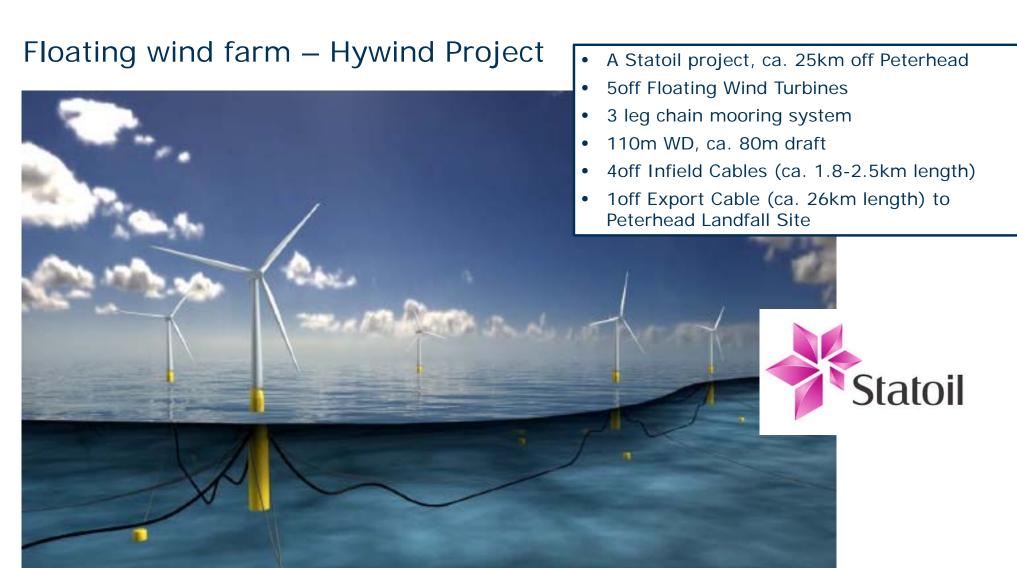
- 20km offshore Wick
- 38-55m water depth
- 84 x 7MW turbines = 588 MW
- 2 x OTMs
- 2 x 65km export cables
- 162km array cable

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Beatrice Project - EPCI execution



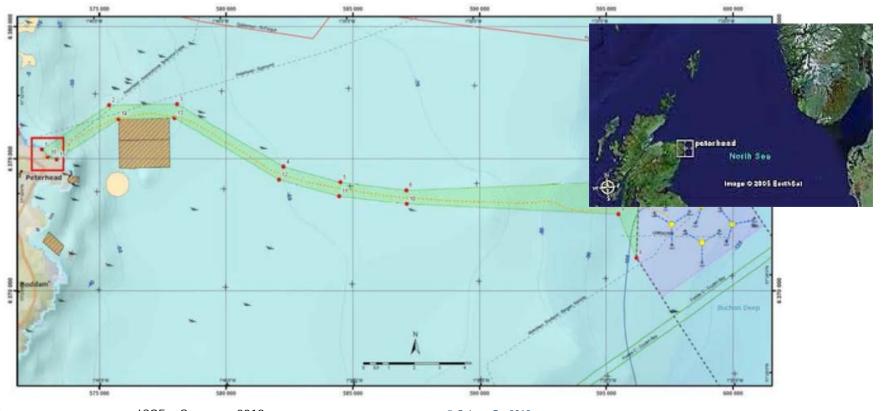




Hywind project - Subsea 7 Scope of Work

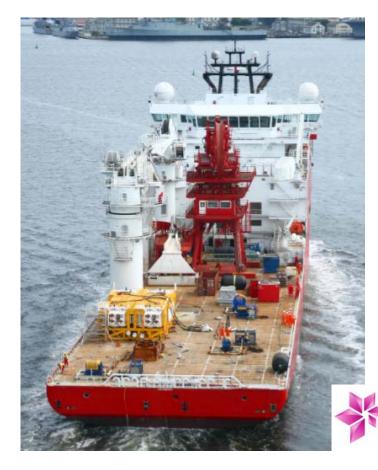
- Loadout of Cables at Nexans, Halden
- Pre-lay surveys and X-ing inst.
- 9 off Riser anchor inst.

- Install 1 x export and 4 x infield cables
- Cable Testing activities
- Trenching of Export Cable



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Hywind Project - Subsea 7 and Siem Offshore Contractors on site



Installation completed in 2017



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