VESSELS

Renewables

Seaway Alfa Lift

Vessel Info

Full specification overleaf

In 2022 Seaway 7 will take delivery of the largest and most innovative, custom-built offshore wind foundation installation vessel in the world. The vessel is currently under construction at CMHI (Jiangsu), China.

Seaway Alfa Lift will feature a 3,000 tonne main crane, a 10,000m + smart deck, capable of carrying and installing up to 10 XXL Monopiles and transition pieces or 8 XL jackets per voyage. With this superior carrying capacity, *Seaway Alfa Lift* can eliminate the need for marshalling facilities and significantly increase installation efficiency whilst reducing overall project costs.

Seaway Alfa Lift is designed around Seaway 7's vision for an industrialized approach to installation. Foundations will be installed using Seaway 7's revolutionary automated deck transportation system and fully integrated foundation handling equipment, whilst on DP2. This makes *Seaway Alfa Lift* the world's most efficient foundation installation vessel.

The vessel will be able to fully submerge the main deck to a depth of 14.7m and can also be used for transport, installation or decommissioning of topside and sub-sea modules.

Seaway Alfa Lift

TECHNICAL DATA

Classification	DNV GL
Flag	Norwegian International Ship (NIS)
Length over all	217.88m
Length p.p.	204.26m
Breadth moulded	56.00m
Depth moulded	12.60m
Summer draft	9.64m
Deadweight	50,253.7t
Submerged depth above deck	14.738m
Dynamic positioning	DP2 360 deg. HS 2.5m
Free deck length	148.40m
Free deck area	8,310m² main + 1,800m² fcstl*
Max deck load	30t/m² main + 15t/m² fcstl*
Maximum speed	14.3 knots
Cruising range	55 days
Accommodation	100 people
Delivery	Q1 2022

**forecastle*

MONOPILE DIMENSIONS

Monopile length	105m +
Monopile weight	Up to limitations set by the crane
Capacity	10x 2,000t MPs + TPs
Or capacity	Jackets 8x 1,500t

CRANE

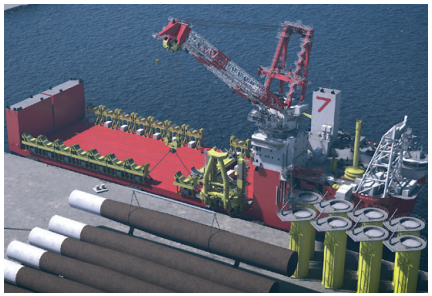
Single Hoist Mode	
SWL	3,000t
Lifting height	108m
Lowering depth	Sea Level

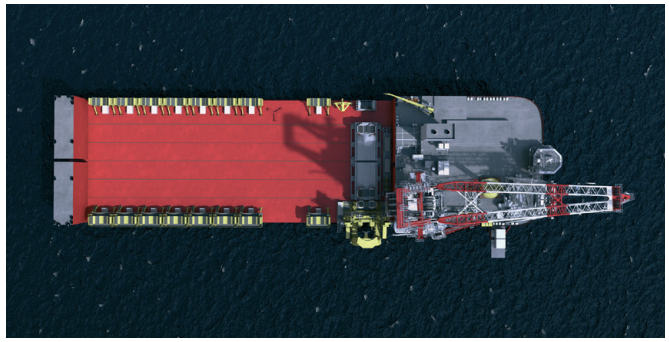
DUAL HOIST MODE

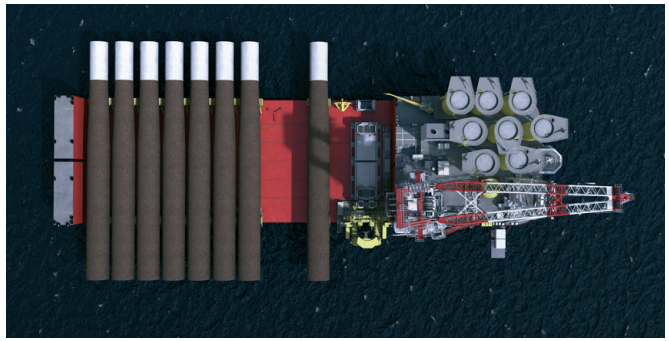
SWL	2x 1,500t
Lifting height	108m
Lowering depth	Sea Level

SUBSEA MODE

SWL	1,000t
Lifting height	108m
Lowering depth	300m below sea level







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