

ALFA LIFT



In 2021/2 OHT will take delivery of the largest and most innovative, custom-built offshore wind foundation installation vessel in the world.

Alfa Lift will feature a 3,000 ton main crane, a 10,000+ m² smart deck, capable of carrying and installing up to 14 XL monopiles or 12 jackets per voyage, and will be able to fully submerge the main deck to a depth of 15 m.

The vessel can also be used for transport, installation or decommissioning of topside and subsea modules.

The Alfa Lift is a 51,087 dwt semi-submersible offshore wind foundation installation vessel of Ulstein design.

The vessel is currently under construction at CMHI (Jiangsu), China.



TECHNICAL DATA

Length over all	217.88 m
Length p.p.	204.26 m
Breadth moulded	56.00 m
Depth moulded	12.60 m
Summer draft	9.64 m
Deadweight	51,087 t
Submerged depth above deck	14.66 m
Dynamic positioning	DP2 360 deg. HS 2.5 m
Max crane capacity	3,000 t
Crane hook height	108.00 m
Free deck length	148.40 m
Free deck area	8,310 m ² main+ 1,800 m ² fcstl
Max deck load	30 t/m ² main + 15 t/m ² fcstl
Maximum speed	14.3 kn
Cruising range	55 days
Accommodation	100 people
Flag	Norwegian
Classification	DNV GL
Delivery	2021

MONOPILE DIMENSIONS

Monopile length:	Up to 105 m
Monopile weight:	Up to limitations set by the crane
Capacity:	11 x 2,000T MP's + 11 x 400T TP's
Or capacity:	16 x 1,250T MP's +16 x 250T TP's

CRANE INFORMATION

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

Dual Hoist Mode

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

Subsea Mode

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



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OHT ASA

Haakon VII's gate 1, P.O.Box 1468 Vika, N-0116 Oslo Phone: +47 21 01 34 50 www.oht.no