

TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)

Wind Peak

PRINCIPAL DIMENSIONS

Length overall ex. crane	162.0 m
Breadth	60.0 m
Transit Speed	11.0 kts

OPERATING CONDITIONS FOR JACKING

Variable Load	> 17,600 t
Operating Water Depth	> 70 m

ACCOMMODATION

130 persons

POWER

Main power	21.6 MW Gensets 5.4 MWh battery
------------	------------------------------------

CLASS/NOTATIONS

DNV
1A Self-Elevating Wind Turbine Installation Unit, Crane Unit, Crane Offshore, Clean Design (Tier3), Battery (Power), DYNPOS (AUTR), E0, HELDK, COMF-MOU(3), Shore Power, SPS, NAUT(AW), Cyber Secure(-), Fuel Ready LFL (Ti-S-P-MEC)

FLAG

Denmark

TANK CAPACITIES

Marine gas oil	2,500 m ³
Fresh water - potable	1,000 m ³

LEGS & JACKING SYSTEM

Number of legs	4 sets of triangular truss type
Jacking System	Floating Opposed Rack & Pinion
Leg Length	119.0 m
Speed	>1.2 m/min: Raising/Lowering Legs >0.8 m/min: Raising/Lowering Hull

MAIN CRANES

Main Hoist	2,600 @ 46 m
Hook height above deck	180 m
Max. operating wind speed	20 m/s (1. min.)

THRUSTERS

Type	Azimuth and tunnel thrusters
Power	4 x 4 MW Azimuth 2 x 2.2 MW Retractable 3 x 3.0 MW Tunnel thrusters

DYNAMIC POSITIONING SYSTEM

Type DP2

CARGO AREA

Main Deck Area	5,600 m ²
Deck Loading	15 t/m ²

HELICOPTER LANDING DECK

D-value (max.)	22.8 m
Weight (max.)	15.6 t
Suitable for Sikorsky S92A, Sikorsky S61N and AgustaWestland	