

TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)

Wind Maker



CADELER

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PRINCIPAL DIMENSIONS

Length hull	148 m
Breadth, moulded	56.0 m
Depth to main deck	11.5 m
Draught hull, max VDL	~6.3 m
Max. design speed	~10.5 kn

GENERAL

Delivery	2025
Shipbuilder	Hanwa Ocean (former name: Daewoo Shipbuilding & Marine Engineering Co LTD)
Flag	Marshall Islands

OPERATING CONDITIONS - ELEVATED

Payload, jacking up to	~14,000 t
Water depth	~10 - 65 m

ACCOMMODATION

Max. Capacity	130 People Onboard
Cabins	38 Single Cabins 46 Double Cabins
Recreation Facilities	Cafeteria, Recreation Rooms, Fitness Centre, TV Lounges
Offices	2x Client offices, 4 and 6 PAX, in addition 1x shared meeting room for 20 PAX

CLASS

GustoMSC NG16000X
DNVGL 1A Self-Elevating Wind Turbine Installation Unit, Crane unit,
Battery(Power), BWM(T), ER(SCR, Tier III), Clean(Design), COMFMOU(3),
Crane, DYNPOS(AUTR), E0, ECA(SOX-A), HELDK, Recyclable, NAUT(OSV),
Fuel ready (Ammonia), Shore Power, Cyber Security (+)

TANK CAPACITIES

Marine gas oil	~1,950 m ³
Fresh water - potable	~735 m ³
Water ballast	~13,570 m ³

LEGS & JACKING SYSTEM

Leg Length	109 m
Max. Leg below hull	~84 m
Number of legs	4 sets of open triangular truss type
Jacking System	Rack and pinion
Speed, hull lifting	0.2 - 0.65 m/min (stepless)

MAIN CRANE

Main Hook SWL	2,600 t @ 31 m radius with double hook
Whip Hook SWL	400 t @ 106 m radius

AUXILIARY CRANES

Aux Crane 1	25 t @ 30 m
Aux Crane 2	20 t @ 10 m
Aux Crane 3	2 t @ 25 m

THRUSTERS

Azimuth Stern Thrusters	4 x 3.5 MW
Bow Retractable Azimuth Thrusters	1x 3.5 MW
Bow Tunnel / Retractable Azimuth Thruster	1x 3.5 MW
Bow Tunnel Thruster	1 x 3 MW Tunnel

DYNAMIC POSITIONING SYSTEM

Type	DP2
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CARGO AREA

Main Deck Area	~5,400 m ²
Deck Loading	10 t/m ²

HELICOPTER LANDING DECK

D-value	22.2 m
Max Weight	12.6 t