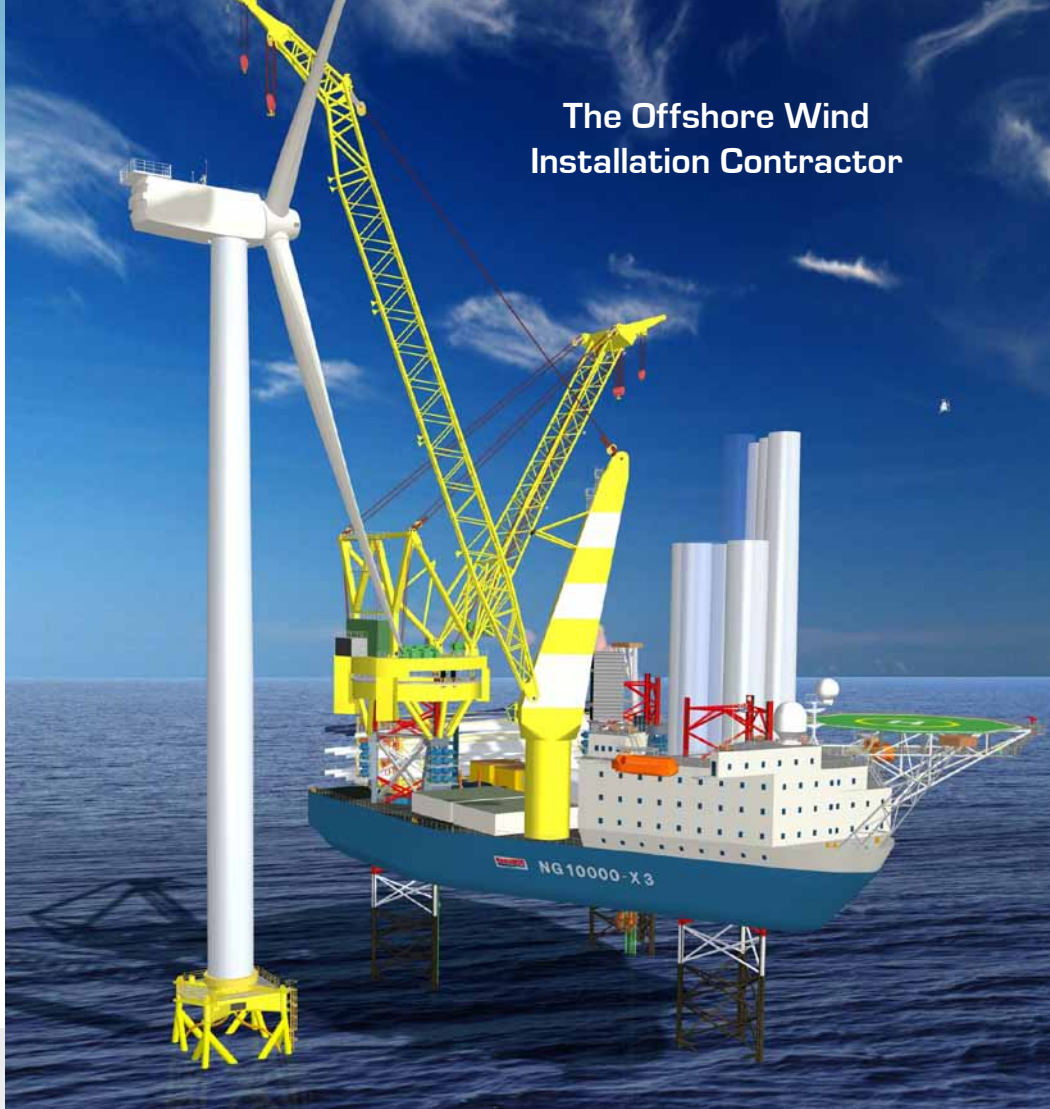


Inwind is a Stavanger based company with the ambition of becoming a leading integrated marine contractor for the international offshore wind industry.

The company works within the following main areas:

- Ownership and operation of tailor made installation vessels for offshore wind farms
- Ownership and operation of vessels for service and maintenance of offshore wind farms.
- Engineering, studies and project management



Classification and Rules

Type: GustoMSC
NG10000-X3
Class: DNV 1A1 Self Elevating Offshore Support Unit, CRANE, DYNPOS-AUTR, E0, HELDK-SH, CLEAN

Inwind Installer

The Inwind Installer is a self-propelled DP II jack-up vessel, tailored for robust operations in harsh environment and water depths from 15 m up to 65 m. The vessel is capable of installing the largest wind turbines as well as a large range of foundations and smaller substations. The vessel is designed to minimise weather downtime and thereby reduce project duration, risk and cost.

Main Particulars

Hull

Length:	100.5 m
Breadth:	68.0 m
Distance between legs aft:	46.0 m
Centre line aft legs to forward leg:	52.1 m
Hull depth at centre line:	10.1 m
Hull depth at sides:	9.5 m
Design draft hull:	4.5 m
Main deck area:	3,500 m ²
Main deck load capacity:	5 t/ m ² / 10.0 t/ m ²

Legs

Number:	3
Type:	Triangular open truss X-braced
Size:	12.0 m chord centre to centre
Length inclusive spud can:	Approx 115 m
Leg reaction at spud can level:	Approx 11,300 t

Spud Cans

Type:	Diamond shaped
Spudcan area (per spudcan):	Approx 200 m ²

Jacking System

Number:	3 x 24 pinions
Make:	GustoMSC
Capacity:	240 t per pinion effective jacking
Drive:	Electric (VSD)
Leg handling speed:	0.68 m/min
Elevating speed:	0.45 m/min

Fixation System

Number:	18 x 7-tooth racks
Design:	GustoMSC
Type:	7500
Drive:	Electrical (VSD)

Design Criteria (North Sea)

Water depth (LAT):	65.0 m
Maximum air gap for operation:	30.0 m
Survival air-gap (above LAT):	22.0 m
Survival condition (SNAME RP):	50 year return period, Ekofisk conditions
Typical leg penetration:	3 m (medium strength sand/clay)
Displacement:	21,200 t
Total elevated weight:	16,275 t (incl. variable load)
Variable load:	4,500 t

Tank Capacities (Fixed Tanks)

Pre-load water:	19,500 m ³
Raw water buffer:	250 m ³
Potable water:	950 m ³
Fuel storage:	1,200 m ³
Fuel oil settling/service (3):	50 m ³

Positioning/Jacking Pre-loading Condition

Jacking:	16,400 t (including variable load)
Pre-loading:	32,750 t (including variable load)
Variable load:	4,500 t
Typical limiting sea state for jacking:	
Max significant wave height best heading:	2.5 m
Max significant wave height worst heading:	2.1 m
Pre-load pump capacity:	10.500 m ³ /h @ 1bar

Safety Systems

Fire and gas:

Inergen (engine rooms, electrical rooms, galley and paint store) and foam (helideck and refuelling)

Life boats (2):

Each for 90 persons in compliance with SOLAS/MODU

Life rafts (4):

Each for 25 persons in compliance with SOLAS/MODU

Man over board fast rescue craft (1):

In compliance with SOLAS/MODU

Propulsion and Positioning

Positioning:	DP class II
Thrusters bow (2):	Azimuth with fixed pitch propellers
Thrusters stern (2):	Azimuth with fixed pitch propellers
Propeller diameter:	Approx 3.6 m
Power input (per):	Approx 4.0 MW

Power

Main diesel generators:	(6) 2,810kWe (1) 1,055kWe
Emergency generator:	(1) 700kWe

Cranes

Crane 1

Type:	Revolving around jack-up leg
Drive:	Electric
Certification:	DNV
Capacity:	1200 t @ 25 m
Empty hook heave compensation:	Yes
Constant tension function:	Yes
Lift off function:	Yes
Hook height:	+/- 105 m above MSL ¹⁾
Limiting wind speed for operations:	20 m/s
Minimum radius:	17 m

Crane 2

Type:	Pedestal mounted column crane
Drive:	Electric
Certification:	DNV
Capacity:	500 t @ 25 m
Constant tension:	No
Hook height:	+/- 135 m above MSL ¹⁾
Limiting wind speed for operations:	20 m/s
Minimum radius:	+/- 15 m

Note 1) At 10 m working air-gap

Accommodation

No. of cabins/ beds:

Total 90 bedspaces (58 singles/16 double cabins). All cabins with en suite bathroom, TV and LAN connection

The accommodation unit is fully air-conditioned and equipped with offices for Clients and subcontractor personnel, conference room, recreation rooms, gym, video room etc.

Helideck

Helicopter type:	SN-92
Size (D-value):	22.8 m

Auxiliary Equipment

Retractable gangway
Anchor winches and deck tuggers
Workshops
Water makers
Garbage handling facilities (garbage grinder, compactor and incinerator)
Inner hull store of 500 m²