



NKT VICTORIA

Next generation cable-laying vessel



NKT Victoria is one of the world's most advanced and fuel efficient cable-laying vessels with a fully redundant DP3 system and unique onboard DC Grid.

The vessel is capable of simultaneous dual HVDC and fiber optic cable-laying and deep sea HVAC installation with high capacity tensioner system. The two turntables have a combined capacity of massive 9000 ton, plus a 500 ton capacity fiber optic tank below deck.

To enable complete cable-lay capabilities ranging from the deep blue seas to shallow shores, NKT Victoria is designed

to be beachable in fully laden condition. The vessel is also fitted with a 6-point mooring system to maneuver where most deep sea cable layer would give up.

For ultra deep waters, the deck is prepared to accommodate a Vertical Lay Tower to enable sufficient high tension hold-back capabilities.

NKT Victoria is designed to the highest safety standard, in full compliance with the most stringent requirements. Her versatility is further strengthened by a fully integrated navigation and survey system.

SPECIFICATIONS

LENGTH: 140 m

BREADTH: 29.60 m

DRAUGHT: 7.20 m

PROPULSION:
Diesel-Electric DC grid
Stern Azipods

DP CLASS: IMO DP III

ACCOMMODATION: 100 Pax

DECK AREA: 1 600 m

TURNTABLES:
7 000 ton on main deck
4 500 ton below deck

NKT Victoria

General specifications

Classification

The vessel is built and classified according to DNV GL Rules: 1A1, SF, E0, DYNPOS AUTRO (DP3), COMF C(3), COMF V(3), Clean Design, BIS, NAUT(OSV) (A), DK(+), HELDK-SH, SPS, Cable Laying Vessel, Recyclable

Design

SALT Shipdesign 306 CLV
Kleven Yards Hull no 372, delivered April 2017
Flag: NIS

Main dimensions

Length over all -----140.00 m
Length between p.p -----127.10 m
Breadth moulded-----29.60/ 28.60 m
Depth to 1-deck -----11.00 / 10.40 m
Scantling draught -----8.00 m
Beaching draught -----8.25 m
Design draught -----7.20 m
Gross tonnage -----16171 GT
Max speed -----14 kts
Cruising speed -----12 kts
Endurance Min -----30 days
Max Deadweight -----12700 t
Deck Area -----1600m2

Accommodation

Total 100 persons in 77 cabins:
State Class cabins : 6
Officer Class Cabins: 6
Crew Class Single Cabins: 42
Crew Class Double Cabins: 23

Dynamic Positioning and Reference

DNV GL DYNPOS AUTRO (IMO DPIII)
2 x identical DP Operator Stations
1 x DP operator station is provided on emergency bridge.
1 x Dual DP Process Station is provided.
2 x HiPAP, 2 x DGPS, 1 x Cyscan, 1 x RADIUS
Cable tension, Light Taut Wire
6P mooring system

Capacities

Fuel MGO----- 1 500 m3
Potable water system ----- 560 m3
Water ballast ----- 5 000 m3
Lub oil----- 25 m3
Urea----- 120 m3
Foodwaste----- 4 m3

Propulsion

Propulsion Diesel-electric DC Grid
CAT 3516C / ABB variable speed Gensets ----- 6 x 2 240 kW
Stern Azipods, ABB ----- 3 x 1 900 kW
Tunnel Thrusters, Brunvoll ----- 3 x 1 900 kW
Total Installed Power ----- 13 440 kW

Environment

Exhaust gas cleaning by SCR, engines approved according to Tier 3, sulphur free fuel, garbage recycling and sludge/garbage incinerator.

Offshore cranes

1 x Main Active Heave Compensated knuckle boom Crane:
Lifting capacity 25 t/15 t at 23 m/32 m radius to 1 000 m
Manriding capabilities
1 x Deck Crane knuckle boom
Lifting capacity : 10 t/4 t at 15 m/26 m radius.
Manriding capabilities
1 x Provision crane knuckle boom
Capacity: 1.5 t @ 10 m

ROV

SB side ROV 250 HP Schilling UHD Gen III with 3,000 m depth rating
P side ROV SAAB Panther XTP with 1,500 m depth rating
1 x LARS for WROV on SB side

Helicopter platform

Designed & constructed in full compliance with Class Rules
Dimensions 26.1 x 26.1m, designed for Sikorsky S-92 Type, max load 15 t

Cable Lay Equipment

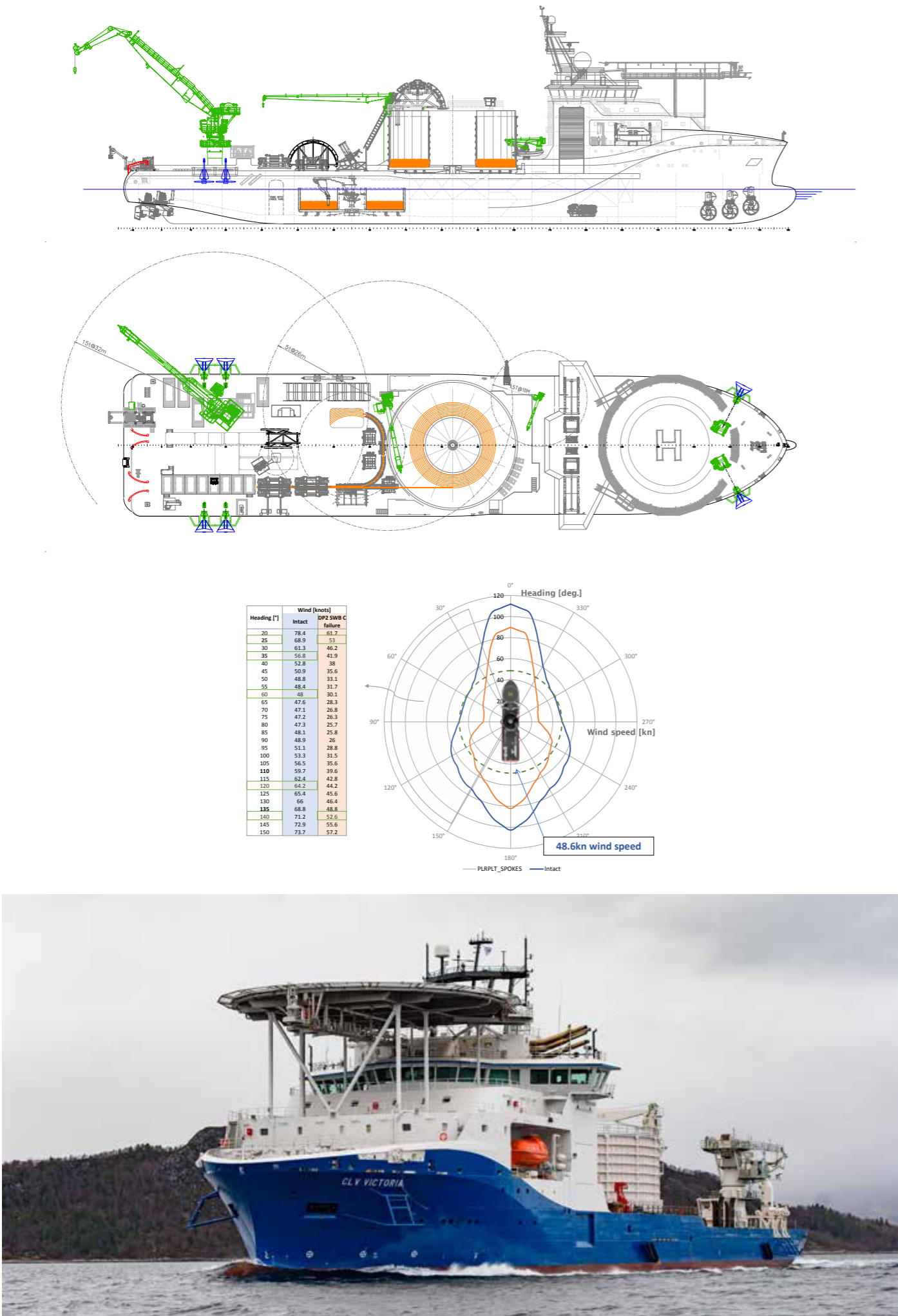
1 x 7 000 t capacity basket carousel on Main deck
1 x 4 500 t capacity basket carousel below deck
9 000 t total combined cable capacity
2 x wide stern chutes
2 x 45 t four track lay tensioners
3 x 45 t tensioner deck seats
Product pathway for fibre optic cable installation

Winch package

3 x 45 t A&R winch with 800 m of wire rope
2 x 6.4 t initiation winch with 160 m of Ø19 mm wire rope
2 x 6.4 t tugger winches with 160 m of Ø19 mm wire rope
Central control system and cable lay distribution system

Optional Equipment

25 Te A-frame for jet trencher or ROV launch/recovery
VLS tower for ultra deepwater lay



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NKT is signatory of the Europacable
Industry Charter: A commitment
towards superior quality.