



# 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 DPIII

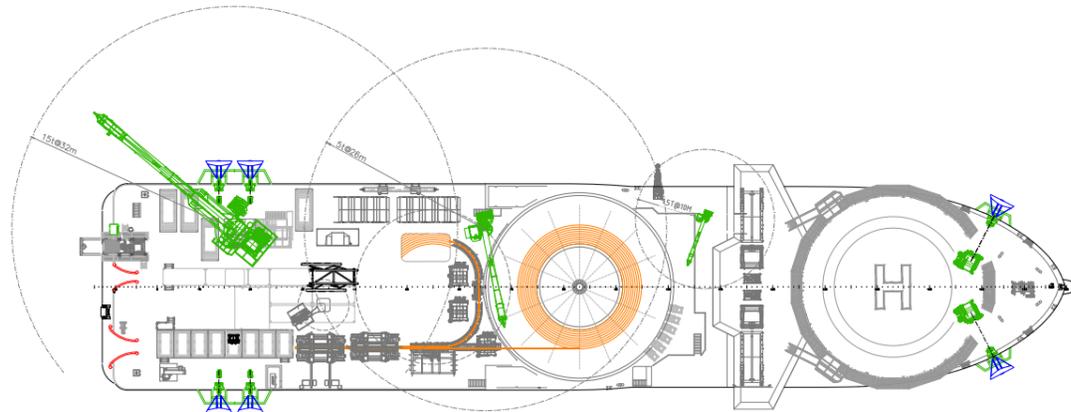
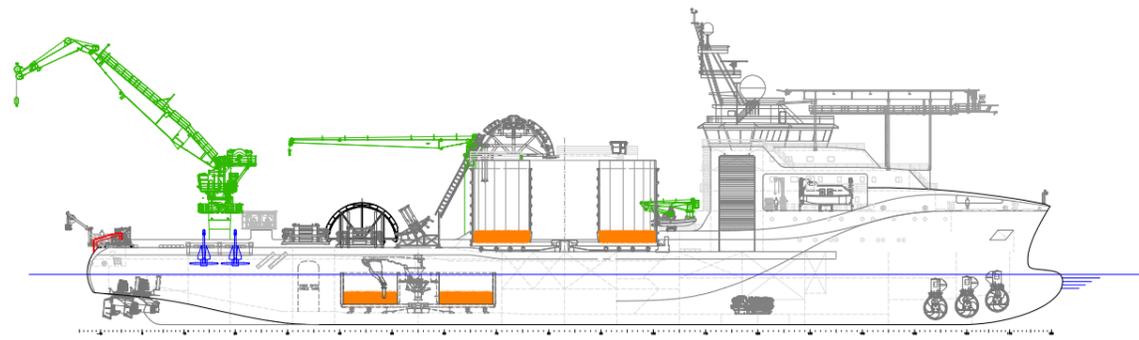
ACCOMMODATION: 100 Pax

DECK AREA: 1 600 m

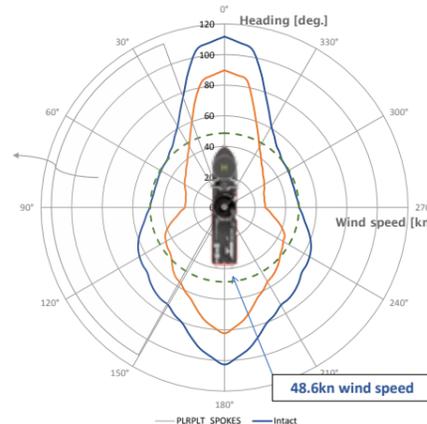
TURNTABLES:  
7 000 ton on main deck  
4 500 ton below deck

# NKT Victoria

## General specifications



Heading [°]	Wind (knots)	
	Intact	DP2 SWB C
20	78.4	61.7
25	68.9	53
30	51.3	46.2
35	56.8	41.9
40	52.8	38
45	50.9	35.6
50	48.8	33.1
55	48.4	31.7
60	48	30.1
65	47.6	28.3
70	47.1	26.8
75	47.2	26.3
80	47.3	25.7
85	48.1	25.8
90	48.9	26
95	51.1	28.8
100	53.3	31.5
105	56.5	35.6
110	59.7	39.6
115	62.4	42.8
120	64.2	44.2
125	65.4	45.6
130	66	46.4
135	68.8	48.8
140	71.2	52.6
145	72.9	55.6
150	73.7	57.2



### 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.