

## NORTH SEA GIANT



- **ENVIRONMENTAL FRIENDLY CONSTRUCTION VESSEL:**
- **HYBRID BATTERY SYSTEM - ENABLES DP 3 OPERATION WITH ONE DIESEL GENERATOR RUNNING OPEN BUS AC. BATTERY(Power) CLASS NOTATION**
- **EFFICIENT POWER AND PROPULSION SYSTEM – VERY LOW FUEL CONSUMPTION ON DP (12m3/24h)**
- **SCR SYSTEM – REMOVES 90% OF NO<sub>x</sub>**
- **HIGH STATION KEEPING CAPABILITY - LARGE OPERATING WINDOW**
- **UNRIVALLED REDUNDANCY – 3 INDEPENDENT SYSTEMS – DYNPOS(AUTRO-CBT, ER) CLASS NOTATIONS**
- **CRANE CAPACITY – 400T AND 50 T AHC CRANE**
- **LARGE OPEN DECK AREA + PROTECTED AREA IN HANGAR**
- **2 x INTEGRATED WROV SYSTEMS**
- **SPS CLASS**

- Diesel electric propulsion system – Total machinery capacity 21.000 kW
- 5 x Voith Schneider Propellers
- Kongsberg DP III system
- Main Deck Usable Area 2200 m2, Main Deck Sheltered 500 m2
- Moonpool, 7,2m x 7,2m
- 2 x WROV in hangars and integrated ROV control rooms
- Offshore crane 400T, 2600m, AHC
- Offshore crane 50T, 2000m, AHC
- Battery POWER
- Dynpos (AUTRO), Dynpos (AUTRO CBT) and Dynpos (ER)
- SPS Class
- Comfort class V3, Clean Design
- Helideck D-value 20,88m (Sikorsky S92)
- 120-man Accommodation

**WORK SCOPE**

- Cable Laying
- Pipe Laying
- Subsea Construction
- IMR and ROV support
- Well Intervention
- Accommodation – Walk To Work



**MEASUREMENTS**

Length L.o.a		153.6 m
Length Lbp		144,0 m
Breadth		30,0 m
Dept Main deck		10,7 m
Max. Draft		7,5 m
DWT	Apr.	12705T
Gross tonnage	Apr.	18151T
Deck load	Apr.	8800T

**CLASS NOTATIONS**

DNV GL, +1A1, HELDK, DYNPOS-AUTRO, DYNPOS(AUTRO-CBT), DYNPOS-ER, E0, BATTERY POWER, CRANE DK(+), COMF-(V3), NAUT-OSV, CLEAN DESIGN

**DECK CAPACITIES**

Main Deck Total Area		2900 m2
Main Deck Clear Area		2200 m2
Main deck strength		10 T/m2
Main Deck Sheltered Area		500 m2

**MACHINERY**

Main engines	6 x GE	3500 kW
Main Generators	6 x Leroy	3500 kW
SCR System	6 x H+H	90% NOx reduction

**HYBRID BATTERY SYSTEM**

Battery Capacity	3 x	678 kWh
Virtual Generators	2 x	2700kW
	1 x	1500kW

**PROPULSION AND THRUSTERS**

3 x Voith Schneider Aft		3800 kW
2 x Voith Schneider Fwd		3800 kW
1 x RR tunnel Fwd		2000 kW

**TANK CAPACITY**

Fuel Oil		2000 m3
FW		1000 m3

**ANTI- ROLL SYSTEM**

Roll Reduction tanks	3x	Passive
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**HELIDECK**

D-value 20,88m (Sikorsky S92)

**CRANES**

MacGregor 400T AHC Knuckle boom		
Subsea capacity		400t @ 13m
		380t @ 14m
		358t @ 15m
		335t @ 16m
		316t @ 17m
		291t @ 18m
		273t @ 19m
		255t @ 20m
MacGregor 50T AHC Knuckle boom		
Subsea capacity:		50t @ 15m
		37t @ 16m
		25t @ 17m
		23t @ 20m
		19t @ 26m
		15t @ 32m

**MOON POOL**

7,2m x 7,2m	1 x	
Hydraulic moonpool cover	1 x	10t/m2

**ROV SYSTEM**

WROW Kyst Design	2x	Supporter Class
LARS NDT Offshore	2x	El. Winches

**DECK POWER SUPPLY**

440V Deck swb #1	2x	1500kVA
440V Deck swb #2	1x	2500kVA
440V Deck swb #3	1x	1250kVA
220V Deck swb #1	2x	200 kVA

**DP SYSTEM AUTRO DP3**

Kongsberg K-POS	1 x	DP-21
Kongsberg K-POS	2 x	DP-11BU
Kongsberg K-POS	3 x	cJoy
Reference systems:		
DGPS #1	1 x	DPS 700
DGPS #2	1 x	DPS 200
Seapath 320	2 x	
Dual HIPAP 500	1x	
Dual Radius	1x	
Hain	1 x	

**ANTI HEELING SYSTEM**

Framo Propeller Pump	2 x	1000m3/h
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**ACCOMMODATION**

Single cabins	58 x
2 men cabins	31 x
Recreation rooms	4 x
Cinema/ Conference room	1 x
Heli reception	1 x
Online/Offline room	1 x
Client Offices	10 x
ROV Office	1 x
ROV control room	1 x
ROV hangar	2 x
ROV workshop	2 x

**LIFE SAVING EQUIPMENT**

Life Boats	2 x	100 pax
Life Rafts	2 x	25 pax
Fast Rescue Boats	2 x	

**ENTERTAINMENT SYSTEM**

BASEPORT infotainment system  
WiFi coverage in Accommodation

**SERVICE AIR**

Tamrotor screw compressor	2 x	480m3/h
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**FW GENERATOR**

Alfa Laval	2 x	25 m3/d
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**INCINERATOR**

Detagasa	1 x	IRLA 65
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**BALLAST WATER SYSTEM**

Ballast Pumps	2 x	500m3/h
Ballast Water Treatment System	1 x	250m3/h

**COMMUNICATION EQUIPMENT**

Dual V-sat system  
LTE system  
Clear-com in client areas





