

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**
- **SCR SYSTEM – REMOVES 90% OF NO_x**
- **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, 2500m, AHC
- Offshore crane 50T, 1500m, AHC
- Battery POWER
- Dynpos (AUTRO), Dynpos (AUTRO CBT) and Dynpos (ER)
- Lov Voltage shore power 2x400A
- SPS Class
- Comfort class V3, Clean Design
- Helideck D-value 20,88m (Sikorsky S92)

WORK SCOPE

- Cable Laying
- Pipe Laying
- Subsea Construction
- IMR and ROV support
- Well Intervention



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% NO _x 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 |
|----------------------|----|---------|

CRANES

| | |
|---------------------------------|------------|
| MacGregor 400T AHC Knuckle boom | |
| Wire Length 2500m | 400t @ 13m |
| | 380t @ 14m |
| | 358t @ 15m |
| | 335t @ 16m |
| | 316t @ 17m |
| | 291t @ 18m |
| | 273t @ 19m |
| | 255t @ 20m |
| Subsea capacity Auxiliary Winch | 20t @ 35m |
| Wire length 2500m | |
| MacGregor 50T AHC Knuckle boom | |
| Wire Length 1500m | |
| 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 | 1000m3h |
|----------------------|-----|---------|

HELIDECK

D-value 20,88m
(Sikorsky S92)

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

WiFi coverage in Accommodation
BASEPORT infotainment system

SERVICE AIR

| | | |
|---------------------------|-----|---------|
| Tamrotor screw compressor | 2 x | 480m3/h |
|---------------------------|-----|---------|

FW GENERATOR

| | | |
|------------|-----|---------|
| Alfa Laval | 2 x | 480m3/h |
|------------|-----|---------|

INCINERATOR

| | |
|----------|-----|
| Detagasa | 1 x |
|----------|-----|

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

