NOR GOLIATH
DP3 Construction /Heavy Lift & Dive/ROV Support Vessel

Contact: Cleve Ammons
Phone: 985-630-0476
cleve.ammons@sapuraenergy.com

Contact: Jeremiah Hebert
Phone: 281-881-2782
jhebert@helixesg.com

Contact: Jack Lounsbury
Phone: 713-206-9737
jlounsbury@aqueossubsea.com
The NOR GOLIATH is a DP3 subsea construction vessel utilized for heavy lift, saturation diving and ROV operations.
**Main characteristics**

**Class** ABS + A1+ (E) + AM5 +
ACCU + ICE CO + DP3
HELIDeck + ES + FiFi 2

**Vessel Type** Construction/Heavy Lift

**Shipbuilder** Drydocks World Pertama
Indonesia

**Accommodations** 296 people

**Flag** Marshall Islands

**Built** 2009

**Vessel dimensions**

- **Length** 590.6 ft.
- **Width** 105 ft.
- **Draft (design/max)** 24.6 ft.
- **Draft (mean)** 21.3 ft.
- **Draft (max with retractable thrusters extended)** 38.0 ft.
- **Gross Tonnage** 25,812
- **Net Tonnage** 7,743

**Cargo & deck space**

- **Flush Deck Cargo Space:** 4,200 m³
- **Deck Loading:** 10 mt/m² and 5 mt/m²

**Thrusters**

- **Thrusters (Aft)** 3 Azimuth thrusters, each of 3,333 kW
- **Thrusters (Fwd)** 2 x 2,400 kW Azimuth retractable thrusters, plus 2 x tunnel thrusters, each of 1,355 kW
- **Total Thrusters** 17,509 kW

**Main crane**

- **Make** Liebherr
- **Model** MTC 78000-1400 (1600)
- **Litronic**
- **Main Hook Capacity** 1,600 mt/80 m hook height

**Auxiliary cranes**

- **Make** 2 x Liebherr
- **Main Hook Capacity** 70 mt/53 m hook height

**Aqueos IMCA saturation diving system**

- **DNV Class Certified and in compliance with IMO and SOLAS standards**
- **20’ Habitat Life Support Module including emergency (secondary) electrical distribution system**
- **3-Man IMCA Compliant Diving Bell**
- **2 x Dual Lock 6-man Living Habitat**

- Hyperbaric Rescue Chamber (HRC) designed for 12 divers installed on a self-contained hydraulic accumulator tilt davit launching system in compliance with SOLAS rules for launching of evacuation systems

**20’ Diving & Life Support Module**

- **DNV Designed Bell Handling System**
- **DNV Designed Fibron DMU 131 Sheathed Main Bell Umbilical Winch**
- **20’ x 8’ Workshop/Stores module**

**Aqueos IMCA air div system (ADS-01)**

- **Air or Nitrox diving capabilities**
  - 1 - 8’ x 20’ Containerized dive control with decompression chamber
  - 1 - 8’ x 10’ Compressor van with two electric 370 cfm Quincy air compressors
  - 1 - 8’ x 10’ Tool/work container
  - 2 x Diver launch and recover (LARS) with onboard hydraulics
  - 2 x two diver stages with onboard gas supply

**Helideck**

- 75.5 ft. diameter designed for Sikorsky S61N.

**Speed, consumption & endurance**

- **General Service Speed** 12 kts – 90% MCR
- **Consumption in Transit** 39 mt/day
- **Consumption on DP** 15 mt/day
- **Consumption alongside** 5 mt/day
- **Endurance** 80 days offshore

**DP system**

- **Kongsberg K-Pos dual redundant main operating station on aft bridge, simplex back-up operating station on forward bridge**
- **2 x HiPAP acoustic position reference system with 2 x 500 mm transducers**
- **3 x Differential GPS position reference systems**
- **2 x Bandak Mk 15B taut wire position reference systems**
- **2 x Fanbeam short-range laser position reference systems**

**Remotely Operated Vehicle (ROV)**

The Triton XLX ROV system sets the standard for work-class ROVs in the industry. Exceptional durability, endurance and operational flexibility are the trademarks of this system. The 200 HP Triton XLX ROV offers a comprehensive combination of thrust, payload, throughframe lift and sensor interface. It supports virtually any offshore heavy-work requirement.

- **Type** Triton XLX 200 hp work-class ROV system
  - Rated to 3,000 m (9,840 ft)
  - 250-300 Kg (550-662 lb) payload
  - 3,000 Kg (6,614 lb) through frame lift capacity

- **ROV vehicle dimensions**
  - **Length** 3.22 m (10 ft, 5 in)
  - **Width** 1.80 m (5 ft, 2 in)
  - **Height** 2.1 m (6 ft, 6 in)
  - **Weight in Air** 4,900 Kg (10,800 lb)

The Triton XLX ROV offers a compact combination of thrust, payload, high through-frame lift, and sensor interface to support most offshore work requirements, including, but not limited to:

- Drill support
- Construction support
- Platform cleaning and inspection
- Subsea cable burial and maintenance
- Remote tool deployment
- Subsea pipeline completion
- Suction pile Installation

**Triton XLX ROV system**

- **Type** Triton XLX 200 hp work-class ROV system
- **Rated to 3,000 m (9,840 ft)**
- **250-300 Kg (550-662 lb) payload**
- **3,000 Kg (6,614 lb) through frame lift capacity**

- **ROV vehicle dimensions**
  - **Length** 3.22 m (10 ft, 5 in)
  - **Width** 1.80 m (5 ft, 2 in)
  - **Height** 2.1 m (6 ft, 6 in)
  - **Weight in Air** 4,900 Kg (10,800 lb)

The Triton XLX ROV offers a compact combination of thrust, payload, high through-frame lift, and sensor interface to support most offshore work requirements, including, but not limited to:

- Drill support
- Construction support
- Platform cleaning and inspection
- Subsea cable burial and maintenance
- Remote tool deployment
- Subsea pipeline completion
- Suction pile Installation