



# **MULTI PURPOSE DIVING SUPPORT VESSEL**

## Principal Dimension

|                |                         |
|----------------|-------------------------|
| LOA            | 145.90m                 |
| Beam           | 27.00m                  |
| Depth          | 11.30m                  |
| Draught        | 7.50m                   |
| Trial Speed    | 14.5 knots              |
| Working Deck   | 1,850m <sup>2</sup>     |
| Deck Strength  | 15t/m <sup>2</sup>      |
| Deck Load      | 5,000t @ 1m             |
| Fuel Oil       | 2,300m <sup>3</sup>     |
| FIFI II system | 3,600m <sup>3</sup> /hr |

## General--DNVGL class notations

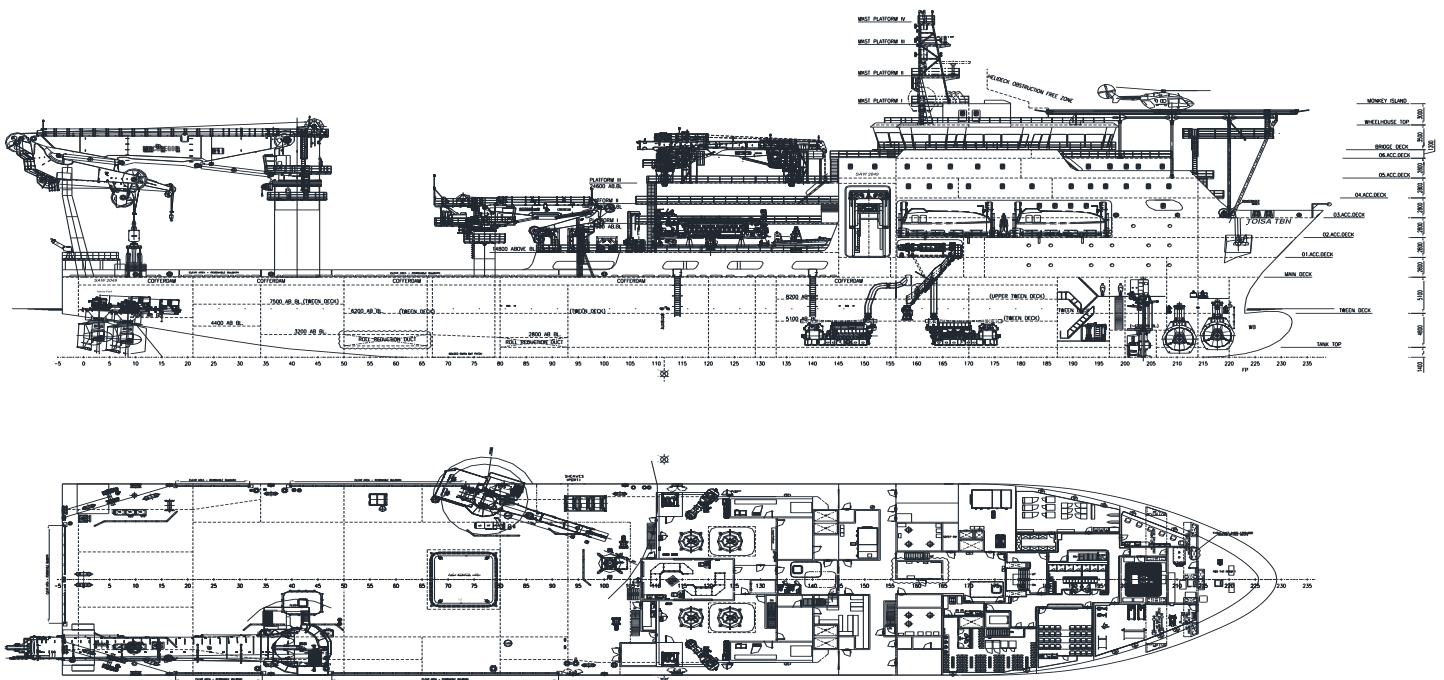
+1A1, ICE-1C, DSV-SAT, DSV-SURFACE, DYNPOS AUTRO, DYNPOS ER, EO, SF,DK(+), COMF V(3) C(3), BIS, FiFi II, BWM-T, NAUT-OSV(A), SUPPLY VESSEL (Hull Only), HELDK-SH(CAA-N), RECYCLABLE, OFFSHORE SERVICE VESSEL+, CLEAN DESIGN, SPS 2008, Compliance with MODU Code and MOU Regulations

## Diving System & Spread

- 24man, Fully Automated, DRASS 300MSW Diving System:
  - Twin Bell and Twin 24man SPHL's
  - Full NORSOK Capabilities / DNVGL Classed
  - High Efficiency Diver and Chamber Gas Reclaim Systems
  - Total Gas Storage of approx. 40,600Nm<sup>3</sup>
  - Dedicated Diving Emergency Bell Mate Trunk on Main Deck
  - Designed for a Significant Wave Height of 5.5m with Heave Compensation
- 3 Diver Air/Nitrox Surface Diving Spread (Pt Side):
  - 2 x Dedicated A-Frame LARS (1x Main and 1x Standby Diver)
  - 1x Dedicated A-Frame Tooling LARS (with 2x CT and 1x standard winch)
  - 1x Dedicated Triple Drum Winch (for hose deployment)
- Hoop Diving Facilities Prepared for Operating 33m from Ship Side

## ROV Hangars

- Fully equipped to supply all services to 2x A-Frame or Gantry Launch WROV's Systems.



## Electric Propulsion

- 6x 2,600kWe, 6.6kV, 3Ph, 60Hz
- Emergency/Harbour Set 860kWe
- Dive Emergency Gen Set 860kWe
- Complete with SIEMENS Dual In-Feed Concept

## Thrusters

- Fixed pitch, Variable Speed
- 3,000kW x3 sets Fully Azimuth Thrusters AFT
- 2,500kW x1 set Fully Azimuth Retractable Thruster FWD
- 2,680kW x2 sets Tunnel Thrusters FWD

## Kongsberg DP System

- Main DP – K-Pos DP-22 (+K-Thrust and K-Chief)
- Alternative DP – K-Pos DP-12
- Emg Back Up – K-Pos DP 12
- DP Reference System:
  - 3x DGPS, 1x Radius, 1x CyScan,
  - 2x Taut Wires, 1x HiPAP 501, 1x Sonardyne
  - 4x Wind Sensors, 4x Gyros, 4x MRUs
  - 1x Transponder deployment system (3,500m)
  - 2x Spare HiPAP Trunks
- DP3 and DP Enhanced Reliability (ER) = Maximum Flexibility when considering Operational Requirements
- ERN 99,99,99,99

## Helideck

- Diameter: 28.75m
- MTOW: 15.6t (S61/S92/EH101)
- Compliance with: UK CAA, NMD, DNV and CAP437

## Cranes

- 400t Offshore Rated Knuckle Boom Crane:
  - 400t Single Fall with AHC/AT Main Hoist Winch
  - Both with Working Operating Depths of 3,000m (single fall)
- 25t Offshore Rated Knuckle Boom Crane:
  - 25t Single Fall with AHC/AT Hoist Winch
  - Working Operating Depth of 600m
- 10t Offshore Rated Telescopic Crane (Pt Side&Stbd Side):  
**Suitable for Hoop Diving Requirements.**
- Full Anti-Heeling System Installed
- 2x Active Roll Reduction Tanks Installed

## Accommodation

- POB of 200 persons meeting MLC 2006 regulations
- 20x Single Cabins
- 8x Double Cabins
- 41x Two plus Two (Pullman Bunks)
- Can be easily reconfigured, at Client Request.

## Wheelhouse

- Kongsberg K-Master system
- Kongsberg K-Bridge system
- 2x VSAT Domes

## Divers Moonpools

- 2 off - 5.4m x 4.2m Located Pt and Stbd

## Working Moonpools

- 7.2m x 7.2m Strengthened for Vertical Lay Tower System
- Working Moon pool area 50t/m2