



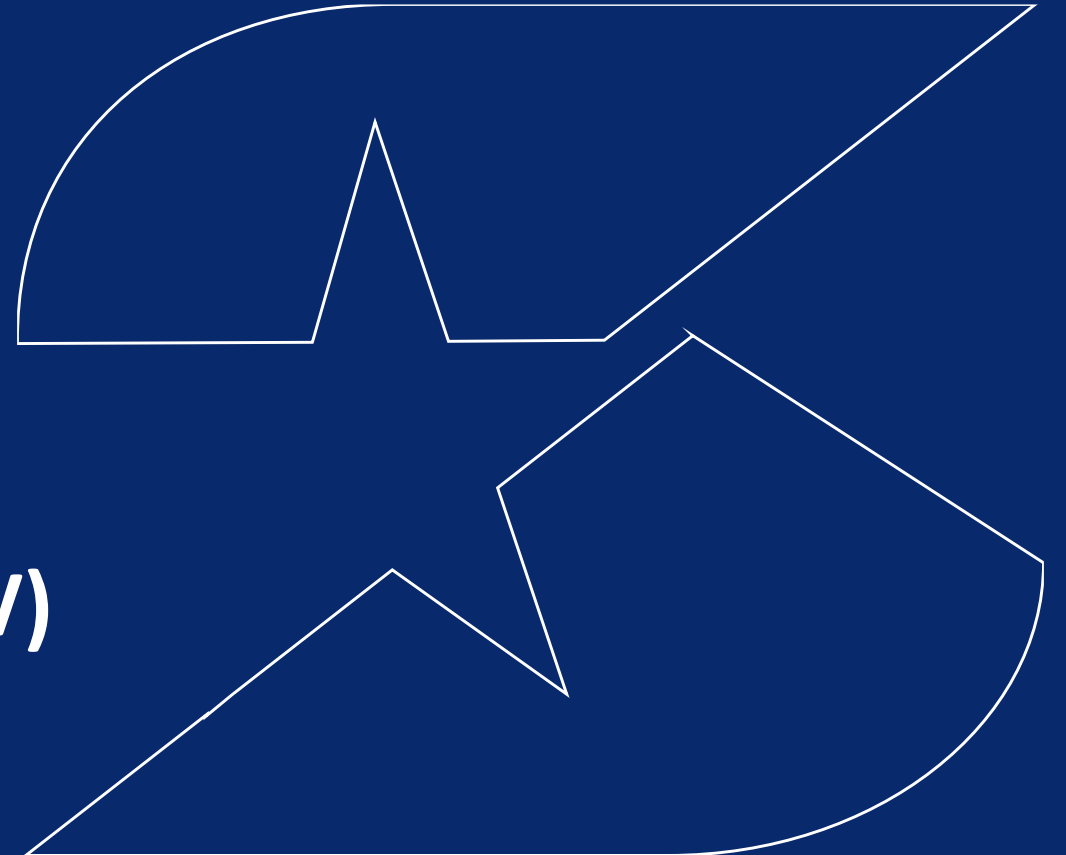
COMMITMENT
WITHOUT
COMPROMISE



ORIENTAL DRAGON

ASSET CATEGORY

↓
0 Offshore Diving Support
Construction Vessel (DPIII DSV)





Oriental Dragon Construction Support Vessel (DSV)





General Description

The Oriental Dragon is a ST-246 Skipsteknisk designed, 124m DP3, Saturation Diving Construction Support Vessel, specially designed for operations worldwide under the most challenging of environmental conditions and offering outstanding manoeuvrability and station-keeping.

The vessel is dual DNV and CCS classed. DNV ✕1A1 DSV (SAT, Surface), BIS, BWM(T), Clean Design, COMF (C-3, V-3), CRANE DK(+) DYNPOS(AUTRO), E0 ,ECA(Sox-A) ,HELDK(S, H) ,NAUT(AW), Recyclable, SF, and SPS. The Oriental Dragon features an integrated twin bell* 24-man Drass Saturation Diving System, ROV hangers, approx. 900m² of available deck, a 250T AHC main crane, a 30T secondary crane, anti-heeling & roll systems, and accommodation for 120 pax.

With 45 days of endurance the Oriental Dragon is the complete Construction Support DSV.

**One fully operational for standard projects. System specifications are subject to change without notice.*

Detailed Specification

General

Designer	Skipsteknisk AS (Norway)
Builder / Year	CSSC Huangpu Wenchong Shipbuilding / 2017
Flag	Liberia
Classification	DNV = GL & CCS

Main dimensions

Length Over All (LOA)	124.0m
Breadth Molded	24.0m
Depth to Main Deck	10.2m
Max. Draft (approx.)	7.3m
Deck area	850m ²
Endurance	45 days
Speed (@ 6.0m draft)	14.5 knots

Tank Capacities

Fuel Oil	1800m ³
Potable Water	1000m ³
Stability	Three passive Anti-Rolling tanks Four Anti-Heel tanks

Dynamic Positioning System

Dynamic Positioning System (DYNAPOS-AUTORO/CCS DP3)

- 2 x HPR Systems
- 3 x DGPS
- Laser Based Reference System
- 3 x MRU's
- 2 x Taut Wire Systems

Power Generating Plant

- 4 x 3490 kW Diesel Generator Sets, 720rpm, 690V/60Hz
- 1 x 900 kW Harbour Generator Set, 1800rpm, 690V/60Hz
- 1 x 450 kW Emergency Generator Set, 1800rpm, 450V/60Hz
- 1 x 750 kW Emergency Generator Set for Dive Eqpt, 450V/60Hz

Propulsion System

- Redundant Diesel Electric Propulsion System
- 2 x 3200 kW CCP Main Azimuth Thrusters Aft
- 2 x 1600 kW FP Tunnel Thrusters Fwd
- 2 x 1400 kW CPP Retractable Azimuth Thrusters Fwd

Helicopter Deck

To suit Sikorsky S-92

Rules: CAA UK CAP 437, DNV HELDK-SH, China Aviation Authorities

Offshore Cranes

Main Crane (AHC)

- 250T @ 12m, Subsea Lift, Single Fall, 3000m (AHC), Electro-Hydraulic
- Whip line: 20T @ 40m, Subsea Lift, 2000m (AHC)
- Personnel Lift: 10T (Whip Line)

Secondary Crane (AHC)

- 30T @ 12m, Electro-Hydraulic
- Personnel Lift: 15T @ 12m

Auxiliary Offshore
Crane

- 5T @ 15m, Electro-Hydraulic
- Personnel Lift: 1T

ROV Launch & Recovery Systems (LARS)

- Fully Enclosed Double WROV Hangar & Separate ROV Workshops
- 1 x WROV for Launching through Moonpool, 3000m (4.9m x 4.9m)
- 1 x WROV for Launching Over Side, 3000m (side hatch opening)

Navigation and Radio Communication

Equipment According to GMDSS Regulation, Area 3

- 2 x Radars
- Autopilot
- Two Electronic Chart Systems
- 3 x Gyro Compasses
- DGPS
- Calling, Command, CCTV

Safety Equipment

- 2 x 120 Person Life-Boats (82.5kg/person)
- Life Rafts & Launching Appliances as per SOLAS
- 2 x Fast Rescue Craft (FRC, 1 x SOLAS, 1 x IMO Res 266/84, SPS Code)
- All Other Safety Equipment as per SOLAS requirements

Diving Equipment

Drass 24 Man SAT Dive System

- Two* Bottom Mated Bells
- 4 x 6 Men DDC Chambers
- 2 x TUP
- 2 x 24 Men Hyperbaric Life-Boat (SPHL)
- 1 x DDC Chamber for Air Dive
- 2 x A-Frames for Air Dive
- 2 x Moonpool (3.9m x 3.9m)
- Gas Bottles for 24 Men, 21 days @ 240m storage depth

* 1 fully operational, 1 currently inactive

Accommodation

Accommodation	120 persons
Single cabins	47
Double cabins	37

- Messroom with Self-Serving Area
- 4 x Lounges
- Clients Office
- Office Room
- 2 x Conference Rooms
- ROV Control Room / Online Room
- 3 x Project Offices
- Cinema / Briefing Room
- Shift Supervisor Office
- Dive Technicians Office
- SAT Diving Control Room
- Dive / Bell Control Room
- Hospital
- Wardrobe
- Gymnasium
- Smoking Room

DUAL CLASS DNV-GUCCS

- DNV-GL+1A1, E0, SF, DYNPOS-AUTRO, SPS, CLEAN DESIGN, NAUT-AW, DK(+), HELDK-SH, CRANE, COMF V(3)-C(3), BIS, DSV-SAT, DSV-SURFACE, BWM-T, RECYCLABLE, ECA(SOx-A)
- CCS Corresponding Notations
- ERN 99,99,99,93
- IMO res. MSC 266(84) Code of Safety for Special Purpose Ships

