

DEEP CYGNUS
PURPOSE BUILT OFFSHORE
CONSTRUCTION VESSEL



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The *Deep Cygnus* is a multifunctional ROV support and construction vessel equipped with a deepwater 150 Te crane and work-class ROV. It is a premier vessel well-suited for playing a key role in any deepwater development project.

Main Characteristics

Length Overall	122.40 m
Length Between Particulars	108.00 m
Breadth Moulded	22.00 m
Depth to Main Deck	10.00 m
Maximum Draft	7.30 m
DWT at SWL / 7.3 m	Approximately 7,900 Te
Deck Area Aft of Hangar	1,400 m ²

Anti-rolling Tanks

One passive anti-rolling tank

Interring, combined heeling and anti-rolling system

Class

DnV +1A1 SF, E0, DYNPOS AUTR, CLEAN, COMF C3 COMF V3, HELDK-SH

Deck Equipment

150 Te AHC offshore crane with 2,000 m wire

12 Te auxiliary crane at 17 m reach

2 hydraulic powered capstans, each 10 Te pull

2 cranes, each 2 Te

Helideck

Sikorsky S92 or Equal	12.8 Te
Rules	CAA CAP437 / DnV
Diameter Helideck	21 m

Speed

Maximum speed at 5.0 m draft approximately 15.0 kn

Accommodation

92 men in single and double cabins

Messroom with self-serving area

4 lounges

Meeting rooms, offices, etc. on various decks

Helideck reception area

Hospital and recreation area

Laundries

ROVs

1 x Work Class ROV

ROV Survey Arrangement

WROV hangar starboard side

OBSROV hangar port side

Foundations for carousel with guiding and launching equipment

Online offices

Off-line room with conference room, etc.

ROV workshops and maintenance area

Dynamic Positioning System

Dual redundant dynamic positioning system

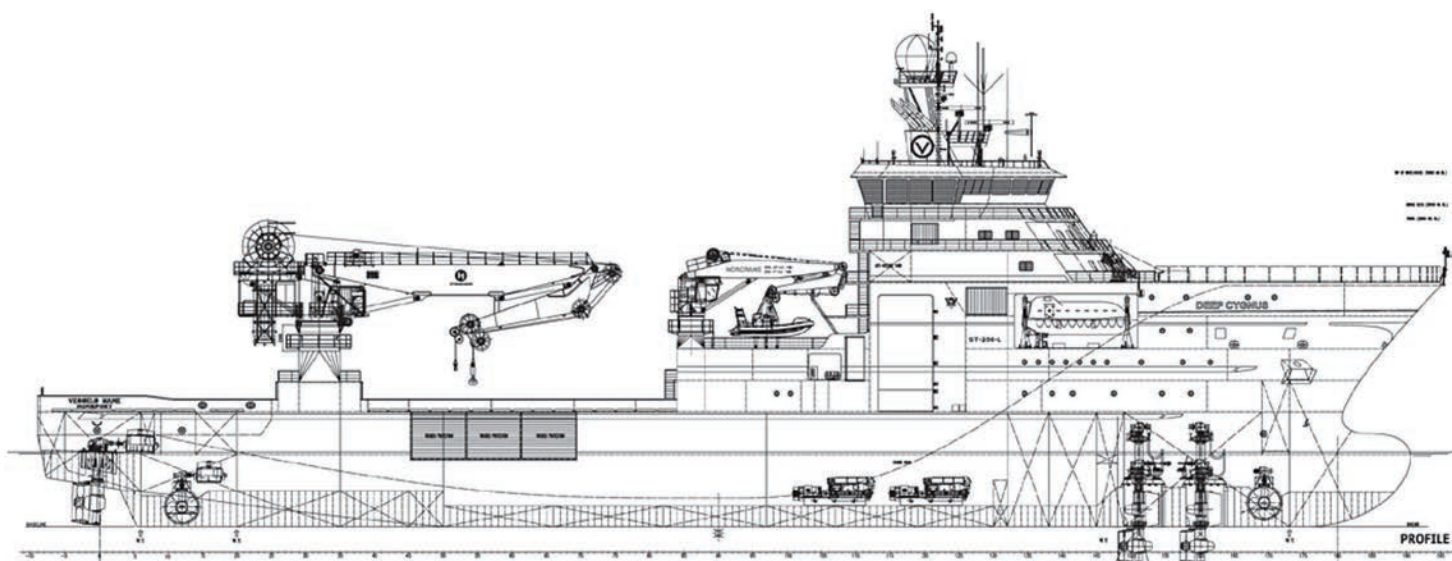
2 acoustic positioning units

2 DGPS

Laser fan beam

3 x MRUs

2 x tautwire winches / A-frames



Navigation and Radio Communication

Equipment according to GMDSS regulations, area A3

Three radars, three gyro compasses

Auto pilot, DGPS

Electronic chart system

2 x Seapath 200

Calling, command, telephone system + CCTV

Tank Capacities

Water Ballast (Drill Water) Approximately 3,700 m³

Fuel Oil Approximately 2,000 m³

Potable Water 750 m³

Safety Equipment

Fast Rescue Craft (FRC)

2 x 105 men lifeboats

According to SOLAS for the specified class and number of crew

Power Generating Plant

2 x 3,000 kW diesel generator sets, 720 rpm

4 x 1,500 kW diesel generator sets, 900 rpm

1 x 340 kW emergency generator

System voltage 690 V / 60 Hz

Side Thrusters / Azimuths

1 electric driven tunnel thruster in bow of 2,000 kW

2 electric driven azimuth thrusters in bow, each 2,200 kW

1 electric driven tunnel thruster in stern of 2,000 kW

Main Propulsion System

Diesel electric propulsion plant

2 azimuth thrusters for main propulsion output of 3.4 MW

Fuel Consumption

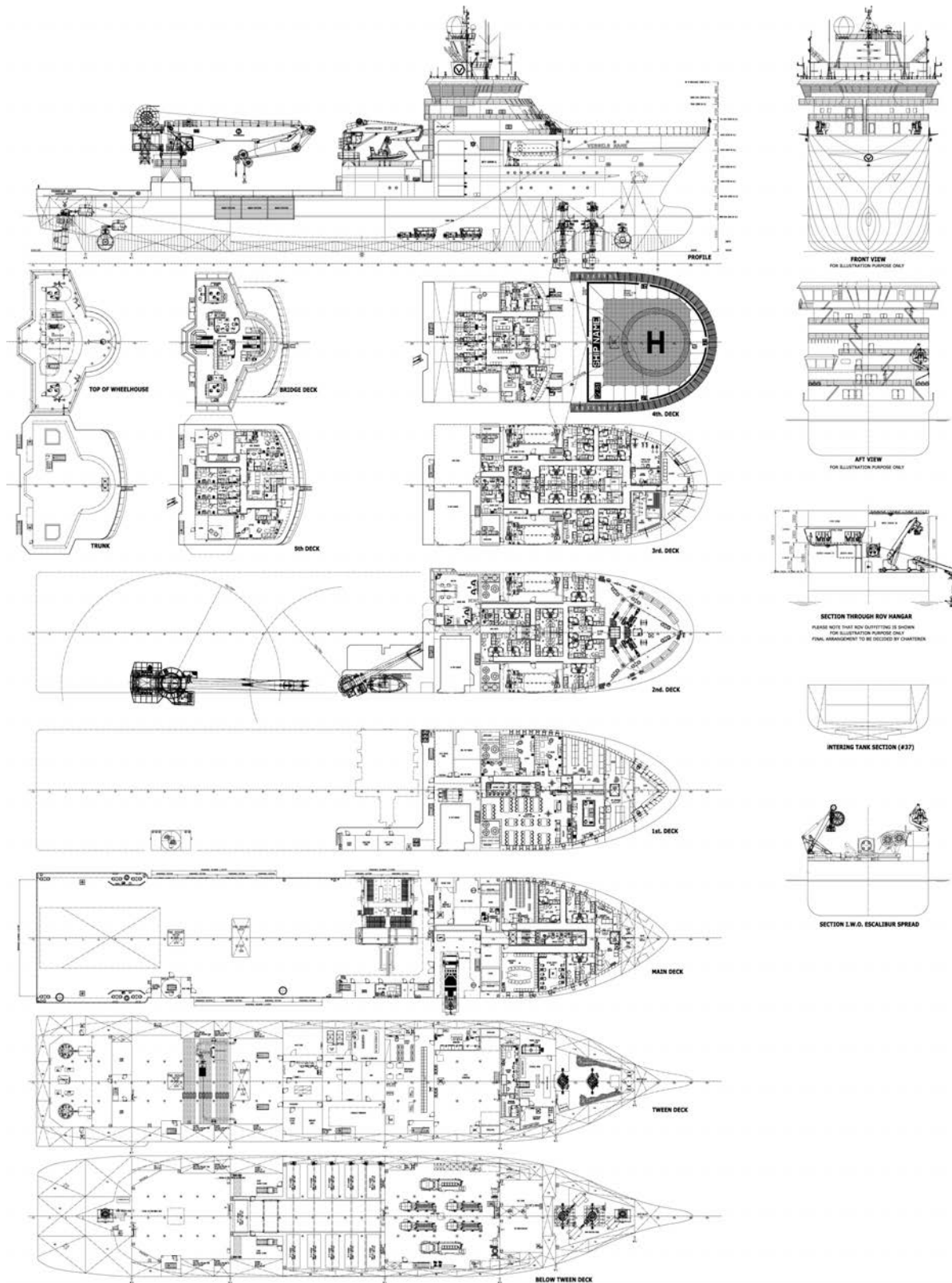
DP 12 m³ / day

Transit 30 m³ / day

Dockside 5 m³ / day

EQUIPPED WITH A DEEPWATER 150 TE CRANE AND WORK-CLASS ROV





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