

# DSND Pelican



The DSND Pelican is a multi-purpose offshore support vessel, built in 1985. The vessel is owned and operated by Subsea 7.

Offering a primary Dive Support capability, the vessel has the ability to perform a variety of offshore and subsea operations.

The following systems provide the vessel with the ability to perform the primary function and multi-purpose roles, including construction and installation of subsea structures, trenching, flexible pipe and umbilical lay operations and well stimulation support.

- Two stern mounted azimuth thrusters combined with three bow tunnel thrusters and one stern tunnel thruster provide excellent manoeuvring capabilities.
- A Class 3 (DYNPOS AUTRO) Kongsberg Simrad SDP 521 DP system with DGPS, taut wire, HiPAP, HPR and fanbeam reference systems provide a high degree of position keeping accuracy.
- A 120 t hydalift active heave compensated crane with constant tension function provides high capacity offshore construction capabilities.
- An 18 man twin-bell saturation diving system rated to 370 metres provides a flexible platform for subsea operations. The DNV classed system consists of three chambers and two 16 man hyperbaric lifeboats. Port and starboard moonpools for diving operations are provided.
- The vessel is fitted with one observation class ROV as standard with the option for a workclass ROV.
- Accommodation for 105 persons in single and double berth cabins. A range of office suites and conference facilities are available for project purposes.
- An excellent communication system including KU Band, Inmarsat B and C. The KU Band system can be modified for C Band operations, dependent on area of operation.
- An offshore helideck rated for Super Puma helicopters.

## DSND Pelican

**General Information**

Classification	DNV, +1A1, EO, DYNPOS AUTRO SF, F-AMC, HELDK
Built	Sandefjord, Norway (1985)
Flag State Authority	Bahamas Maritime Authority
Port of Registry	Nassau

**Dimensions**

Length Overall	94.10 m
Breadth	18.00 m
Depth	9.50 m
Draft (summer)	6.55 m
Deadweight	2000 t
Gross Tonnage	4892
Net Tonnage	1468

**Manoeuvring and Propulsion Systems**

Main Engines	4 x 3000 kW (Wichman)
Generators	4x 4085 kVA (Nebb)
Harbour Generator	150 kW
Main Propulsion	2 x 2757 kW stern azimuth thrusters (Liaaen)
Tunnel Thrusters (bow)	3 x 1100 kW (Brunvoll)
Tunnel Thrusters (stern)	1 x 912 kW(Brunvoll)

**Dynamic Positioning Systems**

DP Classification	DYNPOS AUTRO (Class 3)
ERN Rating	99.99.99
DP System	Kongsberg SDP 521 (aft main bridge) Kongsberg DPC 11 (emergency bridge)
DP Reference Systems	3 x DGPS 1 x HiPAP 1 x HPR 400 1 x taut wire (stbd side fr. 96) 1 x taut wire (port side fr.95) 1 x fanbeam

**Speed / Consumptions**

Economical Speed	10.0 knots at 15 t/per day
Full Speed	13.0 knots at 23 t/per day
DP Operations	11 t/per day

**Tank Capacities (100%)**

Fuel Oil	1393 m <sup>3</sup>
Fresh Water	576 m <sup>3</sup>
Ballast Water	1146 m <sup>3</sup>
Lub. Oil	42 m <sup>3</sup>

**Cargo Deck**

Deck Area (main deck)	670 m <sup>2</sup>
Deck Area (c deck)	130 m <sup>2</sup>
Deck Strength (main deck)	10 t/m <sup>2</sup>
Deck Strength (main deck hatch)	5 t/m <sup>2</sup>
Deck Strength (c deck)	1 t/m <sup>2</sup>

**Deck Cranes**

Main Deck Crane (Main Line)	120t at 8.3m (double fall)(heave comp 100 t) 60t at 20.0m (single fall)(heave comp 50 t)
Main Deck Crane (Whip Line)	10t at 24.0m

The main deck (Hydralift) crane is fitted with an active heave compensation system and constant tension function. The whip line has a man riding capability of up to 15 tonnes.

Auxiliary Deck Crane I (telescopic)	5 t at 8 to 12 m
Auxiliary Deck Crane II (telescopic)	5 t at 8 to 12 m
Auxiliary Deck Crane III (wet bell)	2.2 t
Auxiliary Deck Crane IV (provisions)	2.0 t

**ROV System**

The vessel is fitted with one observation class ROV as standard with the option for one workclass ROV.

**Dive System**

The saturation diving system is classed by Det Norske Veritas.

Saturation System	18 man at 370 m
Chambers	3 x 6 man
Bells	2 x 3 man
SPHL	2 x 16 man
Dive Moonpools (2)	3.6 m x 3.4 m

**Accommodation**

Single Cabins	19
Double Cabins	43
Hospital (not included in total)	2

**Helideck**

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19.5 and is approved for Super Puma helicopters.

**Communication Systems**

The vessel is fitted with Inmarsat B and C. In addition the vessels KU Band system has the option to be converted to C Band as operational requirements demand.

For further information see [www.subsea7.com](http://www.subsea7.com) or contact your regional office.

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