



VESSELS

Construction /
Flex-lay / Diving

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



Seven Eagle

Vessel Info

Full specification overleaf

Seven Eagle is a construction, flex-lay and diving vessel for field development and construction activities.

- Length 138m x breadth 20m
- Main crane 250t
- 16 person twin-bell saturation diving system
- 90t top tension flexible lay system
- 1,200t below deck storage carousel
- Heave compensated 250t subsea A&R winch
- Accommodation for 106 persons
- 2x work-class ROVs
- Special Purpose Ship Code 1983 Compliant

Fast Facts

- Global vessel with successful campaigns in Asia Pacific, Australia, West Africa, North Africa and the North Sea
- NOPSEMA accepted Safety Case enabling the ship to work inside Australia
- Holds, Stern roller and Shark Jaws for anchor cable handling



Seven Eagle

General Information

Type Classification	Construction / Flex-lay +1A1 DSV III SF DYNPOS (AUTR) EO
Flag	Liberian
Year Built	1997

Principal Dimensions

Length Overall (m)	138.44m
Breadth (m)	19.50m
Operating Draft (m)	6.50m
Gross Tonnage (t)	9,556t
Transit Speed (knots)	12.5 knots (approx)

Main Deck

Clear Deck Area (m ²)	Forward - 975m², aft - 398m²
Deck Strength (t/m ²)	Forward - 5T/m², aft - 10t/m²

Speed

Full Transit Speed	13.5kn
Normal Transit Speed	12.0kn
Economical Speed	10.0kn

Tank Capacities (100%)

Fuel Oil (m ³)	1,644m³
Fresh Water (m ³)	570m³
Ballast Water (m ³)	2,448m³

Power and Propulsion

Main Engines (No.)	4
Type	2,430kW Wartsila Vasa type 6R32E four-stroke medium speed engines (720 rpm)
Power (hp)	11,200kW
Generators (No.)	4
Type	Motors Alsthom, type S 3 HX 7,1040 / 3,220kVA /6,000V
Power (kW)	11,230kW
Thrusters	
Aft Azimuth	3x LIPS 2,000kW
Fwd Side/Tunnel	3x LIPS 1,500kW

DP Systems

DP Classification	Class II (Det Norske Veritas registry) +1A1 DSV III SF DYNPOS (AUTR) EO
DP System	Kongsberg Simrad SDP21
Reference Systems	2x Veripos DGPS, 2x HiPAP 500 1x Radius System, 1x taut wire 1x fanbeam

Pipelay Systems

Flexible Lay: Tilttable Lay Tower (max 12°) with a rotating radius controller system on top (carousel or back deck position).	
Max Tension (t)	90t
Tensioners (No. and type)	1x IMECA 4 tracks
Tensioner Length (m)	6m
Min/Max product dia. (mm)	50mm / 600mm
Carousel (No.)	1
Carousel Capacity (t)	1,200t
A&R Winch Capacity (t)	250t double fall, AHC capable
Operating Water Depth (m)	3,000m (dependent on AHC)
Auxiliary Deep Water Winch	10t at surface / 4t at 2000m water depth

Reels: Back deck can accommodate up to 3 installation reels (dolly base or hub drive, none permanently on board) - as per stability checks and deck layout.

Cranes

Kenz Main Crane (Port side main deck)

Main hoist -	
Subsea and Harbour Lift	250t
Whip hoist - Harbour Lift	20t, 2t man-riding rating
Main Hoist Operating Water	370m Depth (single fall)

Hydralift Auxiliary Crane (Starboard side forward)

Main hoist -	
Subsea and Harbour Lift	155t
Whip hoist -	
Subsea and Harbour Lift	8t
Main Hoist Operating Water	235m Depth (single fall)

Hydralift Deck Handling Crane (movable)

5t

Knuckle boom Handling Crane in Hold 3

5.9t

Dive System

Person (No.)	16
Bells (No.)	1x aft, 1x forward (3 person bells)
Depth Rating (m)	230m

Integrated saturation dive system with deployment through 2 moonpools. In addition to built-in gas storage capacity, a total of 78 additional 64 cylinder quads can be stored on board.

ROV Systems

ROVs (No. and type)	2x SCV3000 work-class
Operating Depth Rating (m)	3,000m
Manipulators	5 and 7 functions

Accommodation

Berths (No.)	106
Cabins (No.)	59

Helideck

D-value	22.2m
Max Weight (t)	12.0t

The helideck is certified to Civil Aviation Administration, CAA, rules for Super Puma. Kongsberg Maritime HMS 100 is fitted.

Chain Handling System

Capacity (t)	1200t
Capacity (m ³)	600m³

Shark jaws integrated forward of stern roller.

Hold four has six segregated compartments accessible from hatch on the main deck. Chain gypsy winch needed to load and install chain from Hold four.



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Our Differentiators



Culture



Creativity



Relationships



Reliability



Solutions

The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.