

OCEANIC INSTALLER



The DSV "OCEANIC INSTALLER" is a multipurpose worldwide offshore construction, maintenance and diving support vessel, equipped with a passive stabilising system, fully redundant dynamic positioning system, saturation and surface supplied diving systems, heavy lifting equipment and helideck.

The OI was designed and built by ULSTEIN HATLO in 1984. The diving system was designed and installed by SUBSEA OFFSHORE Ltd. The DP system was designed by A/S KONGSBERG. The Lifting equipment includes a LIEBHERR high capacity deck crane with a boom length of 37.5m and a maximum lift of 100Te.

Dimension

Overall length	84.00 m
Moulded Breadth	18.80 m
Moulded Depth	7.10 m
Summer Draught	4.66 m

Capacities

Bunkers	545 m ³
Fresh Water	500 m ³
Ballast Water	1800 m ³

Fuel Consumption

At max speed of 11 knots	14m ³ /day
At economical speed of 9 knots	12m ³ /day
In DP mode	11M ³ /day

Machinery

Main engines	2 x 2640 hp
Main propellers	2 x 1800 hp (controllable pitch)
Generators	440 V-60 Hz
Shaft driven	2 x 1570 kVA
Diesel driven	3 x 625 kVA

Thrusters

Bow Thruster	3 x 150 TV Type, Ulstein 800HP
Stern Thruster	2 x 150 TV Type, Ulstein 800HP

Performance and Propulsion

Vessel Speed	11 knots
Dead Weight	1803 T
Work Deck Area	600 m ²
Hold Capacity	240 m ³
Helideck	19 m dia (Super Puma)

Classification

SUL, HELDK, IY, SYJ, DP (2), JUS, BWE (s)

 **DULAM**
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An ISO 9001, ISO 14001 & OHSAS 18001 Company



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Dynamic Positioning System

Fully redundant KONGSBERG Dp system

type SDP 521 – DP Class II

Reference Systems	2 x taut wire
	HIPAP351
	Fanbeam 4.2
	2 x DGPS

DP control system governs three forward and two aft transverse thrusters, the two main propellers and two rudders.

Cranes and Winches

Main Crane:	
Main hoist	100 T at 8.9 m
Whip hoist	12 T at 10.5 m
Service crane	9 T at 2 m
Main Deck IMECA Winch	120 T double drum

Mooring System

Main anchors	2 x 7 T
Chain length	1 x 440m, 1 x 385m

Diving

Saturation diving system of max 14 men to 230 m (SW)

Moonpool-launched 3-man diving bell

Side-launched air surface dive system

16-man hyperbaric rescue capsule

Communication

Satellite Communication	VSAT 800 Ku band
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Accommodation

Berths	POB 88 / Project Personnel 56
	Fully equipped Hospital & Recreation facilities

Diving Equipment

The diving system was designed and supplied by SUBSEA OFFSHORE Ltd. The saturation diving system is a 750ft (230m) depth rated IRS classified system with a maximum capacity of 14 men in 3 habitat chambers. The chambers are configured to give 24 hour diving at split vessels in addition to decompression capability.

A 16-man Hyperbaric Evacuation Capsule (HEC) is on main deck starboard side, and is launched by an A-frame which is self-powered from a hydraulic accumulator system.

The 3-man diving bell is launched through a centrally positioned Moonpool. The hydraulically powered handling system includes a traversing trolley, main bell winch, powered umbilical winch, guide wire and clump weight system. To aid bell launch and recovery operations, Moonpool is fitted with especially designed baffles to dampen water motion.

The vessel has a gas storage capacity of approximately 276,600 ft³ (7,835 m³) under main deck. Gas supply and management systems will provide for gas transfer, mixing and supply to the saturation control centre and dive control room.

A separate air dive control station controls all operations and communications for surface supplied diving. Instrument layout is sophisticated and compact, leaving ample room for inspection engineers and Client personnel.

The saturation control centre contains all controls, monitors and communication systems for the complete chamber complex. A direct phone link to dive control room and a closed circuit TV system ensure a full coordination during bell lock on / off operations.

A skid-mounted air diving system is installed for working down to 165ft (50m). It comprises a 2-man dive basket, a hydraulically operated A-frame and air powered man-riding winches (basket and clump weight). An air decompression chamber is adjacent for surface decompression and therapeutic use.



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