



## VESSELS

### Diving

#### Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



# Seven Atlantic

## Vessel Info

*Full specification overleaf*

**Seven Atlantic** is one of the most advanced diving vessels in the world.

- Length 145m x breadth 26m
- Deck area 1,200m<sup>2</sup>
- Accommodation for 150 persons
- Heave compensated 120t crane
- 2x air diving systems
- 2x eyeball ROV systems
- 1x Workclass ROV system
- 24 person twin-bell saturation diving system rated to 350m with two hyperbaric lifeboats

## Fast Facts

- Can operate without re-supply for up to 60 days
- Increased Fresh Water storage capacity
- Ability to dive in 4.5m significant wave height
- Port and starboard surface dive stations
- Deck load (10t/m<sup>2</sup>) and a clear load area of (1200m<sup>2</sup>)
- Ability to carry up to 3,000t deck cargo at a height of 2m above deck



Seven Atlantic

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## General Information

Classification	<b>Lloyds Register, +100A1 DSV, UD strength for load of 10 t/m2, Heli Landing Area, +LMC, UMS, DP(AAA), CAC(2), EP, ICC</b>
Built	<b>Merwede, Holland 2009</b>
Flag State Authority	<b>Isle of Man Government</b>

## Principal Dimensions

Length Overall	<b>144.79m</b>
Breadth (moulded)	<b>26m</b>
Depth to maindeck	<b>12m</b>
Draught design	<b>7m</b>
Deadweight	<b>8,700t</b>

## Cargo Deck

Deck Area (main deck)	<b>1,200m<sup>2</sup></b>
Deck Strength	<b>10t/m<sup>2</sup></b>

## Tank Capacities

Marine Gas Oil	<b>2,289.733m<sup>3</sup></b>
Fresh Water	<b>1,051.592m<sup>3</sup></b>
Ballast Water	<b>4,736.674m<sup>3</sup></b>
Heeling tanks (55%)	<b>663.80m<sup>3</sup></b>
Stabilising tanks (operational)	<b>600m<sup>3</sup></b>
Technical fw/ waterballast	<b>135m<sup>3</sup></b>
Low sulphur diesel oil	<b>135m<sup>3</sup></b>

## Power and Propulsion

Main Engines / Generators	<b>6x 3,360kW (Diesel Electric)</b>
Propulsion	<b>3x 2,950kW stern azimuth thrusters 2x 2,400kW retractable bow azimuth thrusters 1x 2,200kW bow tunnel thruster</b>

## Vessel Speeds and Fuel Consumption

Maximum Speed	<b>14.0 knots</b>
Economic Speed	<b>10.0 knots</b>
Economic Speed Fuel Consumption	<b>38.0m<sup>3</sup>/day</b>

## DP System

DP Classification	<b>DP (AAA) - Class III</b>
DP System	<b>Kongsberg K-pos 22 + as back-up system for Class III, Kongsberg K-pos 12</b>
Reference Systems	<b>3x DGPS 2x HiPAP 2x taut wire 2x Cyscan Radascan HPR interface Fanbeam interface</b>

## Cranes

Main Deck heave compensated Crane	<b>120t</b>
Whip Line	<b>24t</b>
Two provision cranes.	<b>2.5t</b>
Auxiliary Deck Crane I & II	<b>10t</b>

## Dive System

The 24-person saturation diving system includes four 3 person twin lock living chambers, two 6 person twin lock decompression chambers and two horizontal transfer under pressure chambers, (chambers are 2.4m internal diameter) 54,000m<sup>3</sup> of gas storage and up to six split levels of saturation storage. The system is designed for compliance with Norwegian NORSOK requirements, and features much improved living conditions compared to previous systems. Two Hyperbaric Life Boats are provided (one port and one starboard). The bells have 7m<sup>3</sup> internal capacity and are launched through two athwartships moonpools, positioned near the minimum motion point of the vessel. There are two fully integrated air diving systems, including chambers, one port and one starboard.

A comprehensive system of mechanical handling aids is fitted to support saturation and air diving operations, including port and starboard T bars, A-frames, hose reels, tugger winches and umbilical management hoop booms (20m reach from ship side).

## ROV System

The vessel is fitted with two permanently installed moonpools launching eyeball ROV heave compensated systems rated to 1,200m.

A custom designed grillage on the aft deck port side accommodates a control container, winch and LARS for a Workclass ROV. The Lebus umbilical winch can accommodate up to 3,500m of umbilical

## Life Saving Appliances

Four davit launched lifeboats	<b>75 persons each</b>
Twelve life rafts	<b>25 persons each</b>
One life raft	<b>10 person</b>
Two hyperbaric lifeboats	<b>18 persons each</b>

## Helideck

Helideck of aluminium construction suitable for regular operations of S61 and S92 helicopters and equipped with a fixed foam fire fighting system in accordance with CAP 437.

## Communications

The vessel is fitted with Inmarsat Fleet 77 and KU Band systems. The KU Band system has the option to be converted to C Band as operational requirements demand. Extensively equipped operations and client office suites; IT network and facilities / video conferencing. The vessel also has dedicated crew WiFi internet access.

## Accommodation

150 persons	
Captain Class Cabins	<b>6</b>
Officer	<b>5</b>
Single Cabins	<b>9</b>
Double Cabins	<b>65</b>
	<b>All cabins with own private facilities, one 2-berth</b>
Sick Bay	<b>1</b>



[client.enquiry@subsea7.com](mailto:client.enquiry@subsea7.com)



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The Subsea7 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.

