



VESSELS

Diving

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



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 1,200m²
- 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/m²) and a clear load area of (1200m²)
- Ability to carry up to 3,000t deck cargo at a height of 2m above deck



Seven Atlantic

subsea 7

General Information

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

Principal Dimensions

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

Cargo Deck

Deck Area (main deck)	1,200m²
Deck Strength	10t/m²

Tank Capacities

Marine Gas Oil	2,289.733m³
Fresh Water	1,051.592m³
Ballast Water	4,736.674m³
Heeling tanks (55%)	663.80m³
Stabilising tanks (operational)	600m³
Technical fw/ waterballast	135m³
Low sulphur diesel oil	135m³

Power and Propulsion

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

Vessel Speeds and Fuel Consumption

Maximum Speed	14.0 knots
Economic Speed	10.0 knots
Economic Speed Fuel Consumption	38.0m³/day

DP System

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

Cranes

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

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) 54,000m³ of gas storage and up to six split levels of saturation storage. The system is designed for compliance with Norwegian NORSO_K 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 7m³ 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	75 persons each
Twelve life rafts	25 persons each
One life raft	10 person
Two hyperbaric lifeboats	18 persons each

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	6
Officer	5
Single Cabins	9
Double Cabins	65
	All cabins with own private facilities, one 2-berth
Sick Bay	1



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