Seven Atlantic

**Vessel Info**

- **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
- Equipped for well treatment operations
- 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
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.

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**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**
- Merwede, Holland 2009

**Flag State Authority**
- Isle of Man Government

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**Principal Dimensions**

**Length Overall**
- 144.79m

**Breadth (moulded)**
- 26m

**Depth to maindeck**
- 12m

**Draught design**
- 7m

**Deadweight**
- 8,700t

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**Power and Propulsion**

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

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**Speed / Consumptions**

**DP**
- 17-20m³/day
- 15.5 knots (55-60m³/day)
- 13.0-13.5 knots (45m³/day)
- 12 knots (35m³/day)
- 8m³/day

**Full transit speed**
- 15 knots

**Normal transit speed**
- 13 knots

**Economical Speed**
- 12 knots

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**Tank Capacities**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Gas Oil</td>
<td>2,289.733m³</td>
</tr>
<tr>
<td>Fresh Water</td>
<td>1,051.592m³</td>
</tr>
<tr>
<td>Ballast Water</td>
<td>4,736.674m³</td>
</tr>
<tr>
<td>Heeling tanks (55%)</td>
<td>663.80m³</td>
</tr>
<tr>
<td>Stablising tanks</td>
<td>600m³</td>
</tr>
<tr>
<td>Technical fw/ waterballast</td>
<td>135m³</td>
</tr>
<tr>
<td>Low sulphur diesel oil</td>
<td>135m³</td>
</tr>
</tbody>
</table>

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**Cargo Deck**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deck Area (main deck)</td>
<td>1,200m²</td>
</tr>
<tr>
<td>Deck Strength</td>
<td>10t/m²</td>
</tr>
</tbody>
</table>

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**Cranes**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Deck heave compensated Crane</td>
<td>120t</td>
</tr>
<tr>
<td>Whip Line</td>
<td>24t</td>
</tr>
<tr>
<td>Two provision cranes, Auxiliary Deck Crane I &amp; II</td>
<td>2.5t</td>
</tr>
<tr>
<td></td>
<td>10t</td>
</tr>
</tbody>
</table>

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**Well Treatment**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical/Acid Tanks (5) Injection pumps (1)</td>
<td>20,000 ltr each</td>
</tr>
<tr>
<td></td>
<td>1800HP</td>
</tr>
<tr>
<td></td>
<td>600HP</td>
</tr>
</tbody>
</table>

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**Life Saving Appliances**

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four davit launched lifeboats</td>
<td>75 persons each</td>
</tr>
<tr>
<td>Twelve life rafts</td>
<td>25 persons each</td>
</tr>
<tr>
<td>One life raft</td>
<td>10 person</td>
</tr>
<tr>
<td>Two hyperbaric lifeboats</td>
<td>18 persons each</td>
</tr>
</tbody>
</table>

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**Life System**

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

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**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 NORSOK requirements, and features much improved living conditions compared to previous systems. Two Hyperbaric Life Boats are provided (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).

**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.