The **Seawell** is a custom designed, dynamically positioned light well intervention and saturation diving vessel.

Since 1987, the **Seawell** has been operating throughout the North Sea, providing subsea well intervention solutions and pioneering subsea Light Well Intervention (LWI).

The **Seawell**'s unique design and multi-service capability significantly reduces intervention time and provides a cost-effective method of maintaining subsea well stock, through well maintenance and production enhancement solutions. The **Seawell**'s track record is second to none, having intervened in more than 700 wells, decommissioning over 200 live and suspended wells, including 15 subsea fields.

The **Seawell** is a DP2 light well intervention and saturation diving vessel which features a purpose built Module Handling System (MHS) tower positioned over a 7.0m x 5.0m moonpool. The main winch is rated to 150 Te (SWL) hookload capacity in both passive or active heave compensation modes. The tower also incorporates guide wire tensioners and winches, active and passive podlines and constant tension Launch and Recovery System (LARS) winches.

The **Seawell**’s MHS is capable of deploying both 5” and 7” SIL systems to 500m water depth. This includes the 73/8” Electro-Hydraulic SIL which enables communication with next generation Subsea Trees. **Seawell**’s subsea crane provides an AHC lifting capacity of 45Te. Inbuilt vessel tanks provide generous storage for chemical treatment (pumping) capabilities.

### EXPERIENCE

The pioneering LWI vessel, with an unrivalled track record over 30 years. The **Seawell**’s track record is second to none, having intervened in more than 900 wells, decommissioning over 200 live and suspended wells, including 15 subsea fields.

### INNOVATION

Many notable firsts in Subsea Well Intervention, including first vessel to have UK Safety Case, first subsea tree recovery, monhull CT operations via rigid riser, and horizontal tree re-entry.

### VALUE

Unique, versatile vessel with diving capability, capable of simultaneous subsea construction and well intervention activity.
**MAIN CHARACTERISTICS**

- **Vessel Name**: Seawell
- **Owner**: Helix Energy Solutions Group
- **Charterer**: Helix Energy Solutions Group
- **Builder**: North East Shipbuilders
- **Year Built**: 1987
- **IMO Number**: 8324567
- **DNV Class Notation**: DNV X1A1, Supply Vessel, SF, CRANE, DSV-I and III, DYNOPOS AUTR (A), E0, HELDK, WIU-1, WELL1 Accommodation
- **Flag**: United Kingdom [GB]

**DIMENSIONS**

- **Length Overall**: 114 m (374 ft)
- **Breadth Moulded**: 22.5 m (74 ft)
- **Depth Moulded**: 11 m (36 ft)
- **Draught**: 7.27 m
- **Operating Draft**: 6.4 m – 7.26 m (21 ft – 24 ft)
- **Displacement**: 11,935 Te
- **Gross Tonnage**: 9,158 Te
- **Deadweight**: 4615 Te

**DIVING SYSTEM**

- **Depth Rating**: 300 m (984 ft)
- **Divers in Saturation**: up to 18
- **Diving Bell**: 2 x 6 m³ (212 ft³)
- **Vessel Speed**: 14 kts max, 12 kts efficient

**POWER & THRUSTERS**

- **Generators**: 6 x 2,560 kW
- **Alt Thrusters**: 3 x 1,325 kW
- **Forward Thrusters**: 3 x 2,200 kW
- **Vessel Speed**: 14 kts max, 12 kts efficient

**DYNAMIC POSITIONING SYSTEM (DP)**

- **Kongsberg K-Pos DP-21 and Interdependent Joystick Back Up**
- **Kongsberg SDP 11 Back Up System**
- **Dynpos AUTR (DP2)**

**CRANAGE**

- **Individual Cranes**: 45t main crane @ 20 m
- **Aux - 7.5t @ 3 m**
- **Aux 5t @ 14 m**
- **Operating Depth**: 500 m (1,640 ft)

**INTERVENTION TOWER**

- **Lifting Capacity**: 150 Te
- **Free Lifting Height**: 28.4 m
- **Active Heave Compensated**: 150 Te at Hs5m

**DECK**

- **Deck Load**: 5 Te per m²
- **Above Main Deck**: 900 m² (9,688 ft²)
- **Below Main Deck**: 250 m² (2,691 ft²)

**MOON POOL**

- **Dimensions**: 7 m x 5 m (23 ft x 16 ft)

**WELL STIMULATION**

- **Mud / Frac Liquid Tanks**: 487 m³ (3,063 bbl)

**ACCOMMODATIONS**

- **Accommodations**: 131
- **Cabins**: 21 x single person cabins
- **55 x two-person cabins**

Vessel also features a galley and mess room, conference rooms and offices on various decks, Helideck reception area, heli-lounge, lounges, gym, hospital and sick bay.

Three Subsea Intervention Lubricators (SIL's) 5-1/8", 7-1/16" and 7-3/8" deployed from the Seawell enable efficient and cost effective riserless intervention or abandonment solutions for subsea wells. Well Ops has unrivaled experience in the development of subsea intervention systems and these are designed with both ease of handling and operational effectiveness in mind. The SIL systems are conduits for interfacing with conventional/vertical and horizontal/spool subsea trees and act as a means for both well access and well control purposes. The SIL's fully hydraulic control system has been developed and refined during the vessels time in service and provides a high level of redundancy and unparalleled operational reliability.