



I The light intervention vessel that
pioneered subsea well intervention I



Seawell

The Seawell is a custom designed, dynamically positioned light well intervention and saturation diving vessel with a 20 year track record of success in the North Sea – it is unique in both structural design and operational experience

The UK registered Seawell has been operating throughout the North Sea and Atlantic margin as a Light Well Intervention (LWI) vessel since 1987, pioneering monohull-based subsea wireline and coiled tubing services.

The Seawell's unique design and multi-service capability has significantly reduced intervention time and provided a cost effective method of maintaining subsea production systems.

The vessel's track record is second to none, having entered more than 650 wells, decommissioning over 150 live and suspended wells and 15 subsea fields.

The Seawell is custom designed to dynamically positioned class 2 (DP2) specification. It features a purpose built derrick over a 7 m x 5 m moonpool and a travelling block rated to 80 Te capacity in passive mode.

The vessel's derrick is equipped with guide line tensioners, a subsea wireline lubricator winch, riser handling capability and associated equipment.

The Seawell's twin main cranes provide a combined load capacity of 130 Te. An inbuilt well stimulation plant provides a full chemical treatment capability, including acid wash. The vessel is capable of flowing wells back to the surface for clean-up operations and can also be adapted to perform well stimulation tasks.

The vessel's two bell saturation diving system is rated to 300 m and has capacity for 18 divers. The diving system, combined with the vessels observation and work class ROVs, provides for full IRM and construction services.

Specifications

Classification	
DNV, Class + 1A1, Supply Vessel, SF, Well Stimulation, ICE-1B, EO, DYN POS, AUTR(ERN) DSV 2, DK+, Crane, Helideck, SBM	

Accommodates	
122 People	

Dimensions	
Overall length	114 m (374 ft)
Breadth molded	22.5 m (74 ft)
Depth molded	11 m (36 ft)
Operating draft	6.4 m – 7.3 m (21 ft – 24 ft)
Displacement	11,935 Te
Gross tonnage	9,158 Te

Deck	
Deck Load	5 Te per m ²
Above main deck	900 m ² (9,688 ft ²)
Below main deck	250 m ² (2,691 ft ²)

Workover Derrick	
Lifting capacity	80 Te
Free lifting height	24 m (79 ft)
Active heave compensated	40 Te at 4 m stroke 70 Te at 2 m stroke
Subsea lubricator winch	40 Te

Crane (main)	
Twin aft crane (twin mode)	130 Te
Individual aft cranes	65 Te
Max wire length	400 m (1312 ft)

Moonpool	
Working moonpool	7 m x 5 m (23 ft x 16 ft)

Well Stimulation	
HP pumps 2 Dyer OPI 1,800 AWS Triplex	
Mud / Frac liquid tanks 240 m ³ (1,500 BBL)	

Diving System	
Depth rating	300 m (984 ft)
Divers in saturation	up to 18
Diving bells	2 x 6 m ³ (212 ft ³)

Thrusters	
Installed Power	6 generator sets each 2,110 kW
Azimuthing Thrusters	3 aft each 1,325 kW and 3 fwd each 2,200 kW

Vessel Speed	
14 knots	

Dynamic Positioning (DP) System	
Kongsberg SPD 21	
Kongsberg ADP 311 Back up system	
Dynpos AUTR (DP2)	