



| The 21st century well
intervention vessel |



Well Enhancer

The Well Enhancer is a custom designed, dynamically positioned well intervention and saturation diving vessel featuring an advanced intervention tower and generous deck space

The new addition to the Well Ops fleet, the UK registered Well Enhancer is a 132 m long state-of-the-art, purpose built, well intervention and diving vessel.

The Well Enhancer has been designed to minimise production downtime and provide a cost effective method of maintaining subsea productions systems. With 1,100 m² of main deck space and an off loading capability, the new vessel can also perform a range of well testing procedures.

The vessel features a 150 tonne multipurpose tower, capable of deploying wireline, slickline and coiled tubing tools. The Well Enhancer also features kill pumps, an intervention lubricator control system and an active heave compensated main winch.

The Well Enhancer is ideally suited to a wide range of intervention and well management tasks including mechanical safety valve and SPM lock / change out, zonal isolation, perforation, pumping, production logging, well stimulation, subsea Xmas tree recovery / replacement and complete live and suspended well abandonment, including abrasive wellhead severance and recovery.

The Well Enhancer's 18 man dive system, combined with the vessel's observation and work class ROVs provides for full IRM and construction services including subsea tie-back, spool installation and diver habitat operations.

Specifications

Classification	
DNV, Class + 1A1, SF EO, DYN POS, AUTRO, DSV-SAT, DK+, HELDK-SH, ERN 99, 99, 98	

Accommodates	
120 People	

Dimensions	
Overall length	132 m (433 ft)
Breadth moulded	22 m (72 ft)
Depth moulded	11 m (36 ft)
Design draft	6.25 m (21 ft)
Displacement	12,000 Te
Gross tonnage	9,200 Te

Deck	
Deck Load	10 Te per m ² (1 ton per ft ²)
Above main deck	1,100 m ² (11,840 ft ²)
Below main deck	250 m ² (2691 ft ²)

Intervention Tower	
Lifting capacity	150 Te
Active heave compensated	150 Te (nominal 100 Te)
Subsea lubricator winch	150 Te (nominal 100 Te)
4 guide line tensioners	
2 pod line tensioners	
Deployment capability of up to 3000m	

Cranage	
Main crane	100 Te
Operating depth	600 m (1969 ft)
2 x Auxiliary cranes	5 Te SWL

Moonpool	
Working moonpool	7.02 m x 7.32 m (23 ft x 24 ft)

Diving System	
Depth rating	300 m (984 ft)
Divers in saturation	up to 18
Diving bells	5.4 m ³ (191 ft ³)

Cement Unit	
2 x SPM 600s	

Propulsion and Power	
	4 generator sets each 3,000 kW
	2 generator sets each 1,500 kW
Forward propulsion	2 tunnel thrusters
	1 azimuth thruster (Retractable)
Aft propulsion	2 azimuth thrusters each 3,000 kW

Vessel Speed	
13 knots	

Dynamic Positioning (DP) System	
Kongsberg KPOS DP21	
Kongsberg KPOS DP11 Back up system	
Dynpos Autro (DP3)	