



# COMPACT SEMI-SUBMERSIBLE LIFT VESSEL

## GENERAL

Basic functions  
 Removing of topside structures  
 Installation of monopiles  
 Accommodation support  
 Light-medium construction support  
 Plug and abandonment

Classification  
 ✖1A Column-stabilized Offshore Support, EO, DPS-3

## DIMENSIONS

Length overall	86	m
Beam overall	55	m
Height to maindeck	26.6	m
Operational draught	13	m
Survival draught	7.3	m
Deck space	1400	m <sup>2</sup>

## TANK CAPACITIES

Ballast water	5500	m <sup>3</sup>
Fuel oil (service)	900	m <sup>3</sup>
Fuel oil (trim)	400	m <sup>3</sup>
Potable water (service)	150	m <sup>3</sup>
Sewage	60	m <sup>3</sup>

## PERFORMANCES

Speed	10	kn
Deadweight	4000	t
Maximum deckload	3000	t
Lifting capacity	2000	t
Weather conditions during lifting	Sea state 4	
Station keeping performance	Sea state 5	

## POWER GENERATION SYSTEM

Electric system	Diesel-electric, 690 V, 60 Hz
Total generator power	6x 2350 bkW
Propulsion	4x 1650 ekW each, Azimuth thrusters 2x 1650 ekW each, Retractable thrusters

## DECK LAY-OUT

Sheerleg	Main hoist: SWL 2000 ton Auxiliary hoist: 700 ton Height under the hook 80 m
Boat landing	Integrated in the design, to allow safe crew transfer from and to crew transfer vessels

## ACCOMMODATION

Number of cabins	48; expandable up to 68
Number of persons	70-120 (depending on cabin arrangement)

## NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band, radar S-band, ECDIS
DP-system	DP-2 / DP-3
GMDSS	Area A3

## OPTIONS

Jacket handling system  
 Monopile installation system  
 Drill tower for well intervention and plug and abandonment duties  
 ROV system  
 Diving system  
 Offshore gangway  
 Hydro-acoustic reference system

## DESIGN FEATURES

The vessel is primarily designed for offshore lift operations such as removal of topside structures and jackets and installation of monopoles.

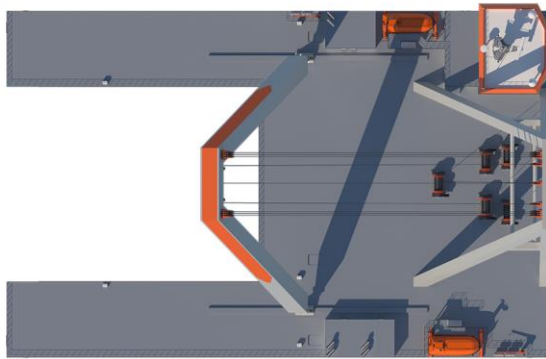
The natural periods for roll, heave and pitch are tuned to be above the wave periods which results in lower motions at sea.

Large deck area is strengthened for wheeled loads which provides flexibility during operations.

Accommodation provides ample space for crew and contractor personnel.

Due to the nature of the vessel, other offshore support duties could be performed as mentioned under options.

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