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 m²

TANK CAPACITIES
- Ballast water: 5500 m³
- Fuel oil (service): 900 m³
- Fuel oil (trim): 400 m³
- Potable water (service): 150 m³
- Sewage: 60 m³

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 kW
- Propulsion: 4x 1650 kW each, Azimuth thrusters
  2x 1650 kW each, Retractable thrusters

DECK LAY-OUT
- Sheerleg: Main hoist: SWL 2000 ton
  Auxiliary hoist: 700 ton
- Boat landing: Height under the hook 80 m

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.