

Next generation..

Cable Laying Vessel



LS Marine Solution

MAIN CHARACTERISTICS

Length over all	149 m
Length between pp.	135 m
Breadth	31 m
AHC Crane	150 t
Deck area	1600 m ²
POB	100 pax

BV/KR CLASS

Class 1, ✱ Hull, ✱ Mach, Unrestricted Navigation, Offshore Construction Vessel (Cable Laying; Accommodation; SP100), ✱ AUT-UMS, DYNAPOS AM/AT-R, COMF-NOISE 3 / COMF-VIB 3, SYS-NEQ-1, INWATERSURVEY, BWT, CLEANSHIP, GREEN PASSPORT, ELECTRIC HYBRID (PM, PB), ✱ ALM, ERS-S, CYBER RESILIENT

FLAG

Liberia Flag



salt
protection for ship design

CABLE LAYING EQUIPMENT

Minimum Bending Radius (MBR): **6.0 m**
 Under deck Carousel: **6000t**
 On deck concentric Carousel: **5000t inner + 3000t outer**
 Loading arms c/w tensioner: **3t**
 Fibre Optic Cable storage tank: **500t**
 Tensioners: **2 x 35t 4-track and 1 x 15t 2-track**
 Quadrant: **25 t c/w carriage**
 Quadrant handling system: **25t**
 Quadrant handling winch: **25t**
 A&R winch: **1 x 35t**
 Tipping winches: **2 x 10t**
 Tugger/handling winches: **4 x 5t**
 CPS Storage rack
 Integrated control system

MAIN AHC CRANE

Offshore Subsea lift: **150t @ 15 m**
 Offshore Subsea lift: **20 t @ 37 m**
 Offshore Internal lift: **30 t @ 37 m**
 Aux hook Subsea lift: **15 t @ 42 m**
 Aux. man riding winch: **1t @ 42 m**
 Wire Capacity: **500 m**

MACHINERY

Diesel electric with 4 + 1 redundancy groups
 Main gensets: **6 x 2600 kW**
 Energy Storage System (ESS): **2 x 1000 kWh**
 Azimuth thrusters: **3 x 2200 kW**
 Retractable thruster: **1 x 1500 kW**
 Tunnel thrusters: **3 x 2200 kW**
 Emergency generator: **1 x 374 kW**
 Heat recovery system to save energy

ACCOMMODATION

SPS 2008 compliant
 Total POB: **100**
 State cabins: **6**
 Officer cabins: **6**
 Single cabins crew: **24**
 Single cabins SPS: **18**
 Double cabins: **23**
 Client offices: **3**
 Dedicated Female & Male changeroom
 Client offices overlooking aft deck

CAPACITIES

MGO: **1500 m3**
 Fresh water: **1500m3**
 Water ballast: **5000 m3**
 UREA tank: **120m3**
 Deadweight @ 8.50m approx. **16500t**

MISC. EQUIPMENT and FEATURES

Ship Crane: **10t @ 15m**
 Hangar for: WROV and Trencher
 6-point mooring system
 Hull and systems designed for Beaching operation
 Three passive roll reduction tanks
 Option for Helicopter deck D-value 21.0m



Cable Laying

Inter array cable
 Single HVAC cable
 Two pole DC cable
 Two pole HVDC with Metallic return
 Prepared for Dynamic cable lay

Cable Repair

Space for :
 Joining Habitat
 Cutting and sealing
 Move tensioner for repair set up

ROV and Trenching Operations

The vessel have dedicated Hangar for one WROV spread, and one trencher spread.

Plough Trenching Operations

Lifting and Towing winch with 3000m wire installed. Prepared for A-frame, Umbilical winch for Plough