Proven Capability for Offshore Installation
Heavy Lift-cum-Pipelay Vessel LTS3000
Technical Specifications

CLASSIFICATION / REGISTRATION
ABS Notation: +A1(E) +AMS Heavy Lift-cum-Piplay Vessel (DPS-1) IRS Notation: SUL (Sarvoutam Langer), IY (Indian Yantra)

HULL
Length Overall 161.53m
Length between Perpendiculars 155.73m
Breadth Molded 37.80m
Depth at side to Main Deck 15.00m
Depth at side to Freeboard Deck 9.10m
Minimum Operational Draught 4.00m

PROPULSION
Azimuth Thrusters 2 x 2400 kW
Bow Tunnel Thruster 1 x 1250 kW
Speed 6 – 8 knots

POWER GENERATION
Main Diesel Generators 3 x 2600 kW
Emergency and Harbour Generator 1 x 1000 kW

MOORING SYSTEM
10-point mooring system, consisting of 6 anchors forward and 4 aft. The ten anchors weigh 12.5 MT each complete with pigtail, pendant wires and buoys. The system is well-integrated with computer navigation and positioning systems.
Dimensions 10 x 63 mm (2.5") x 2000 m (Length)
Min. Break Strength 2460 kN
Winch Speed 36 m/min
Winch Pull 150 tonnes

ACCOMMODATION
Quarters accommodate 290 people. All cabins have en suite shower and lavatories.

COMMUNICATION AND NAVIGATION
- Satellite communication system, Fleet broadband, VHF, UHF, SSB, FM and RADAR (X & S Band)
- Gyrocompass (combined with DP)
- Integrated CCTV System
- Global Maritime Distress Safety System (GMDSS)
- Engine Alarm System (EAS)
- Automatic Identification System (AIS)
- Long Range Identification and Tracking (LRIT)
- Electronic Chart Display and Information Systems (ECDIS)
- Computer LAN network with Internet

MEMBERSHIPS
IMCA: International Maritime Contractors Association
IPLOCA: International Pipeline & Offshore Contractors Association

CRANES
MAIN CRANE
Amclyde Model PC-42 HVY fully revolving post crane

BOOM LENGTH
Main Block 71.66 m (235ft)
Auxiliary Block 82.33 m (270ft)
Whip Block 91.48 m (300ft)

HOOK CAPACITY
Main Hook, revolving 2722 mt @ 27 m radius
Main Hook, fixed over stern 725 mt @ 53 m radius
Auxiliary Hook, revolving 725 mt @ 53 m radius
Whip Hook, revolving 110 mt @ 95 m radius
Personnel Lifting (as per API 2C, 6th Edition) 5 mt @ 72 m radius

DECK CRANES: Pedestal Crane, Diesel Hydraulic Drive
Model: 20/10 K – 2 x 50 mt @ 29 m
Boom Length-Main Hook: 46.8 m, Auxiliary Hook: 50 m

PIPE LAYING EQUIPMENT / S LAY
Coated Pipe Outer Diameter Capacity 6” to 60”
Pipe Tensioner 2 x 100 MT

PIPE LAY WORK STATIONS
Welding: 6, NDT: 1, Joint Coating: 2, Repair: 1

STINGER
Shallow Water S Lay Stinger, 1 No. Stinger Control Station

DAVITS
6 Pipeline Davits with rated capacity of 50 MT each

A&R WINCHES
1 x 200 T (Maximum Tension)
Speed: 25 m/min
Drum Capacity: 1600 m of 88 mm rope

HELIDECK
For maximum weight of 12.8 MT as per CAP 437

DECK CAPACITY
Deck Load 10 t/sq.m

TANK CAPACITY
Water Ballast 11686 Tonnes
Fuel Oil 2334 Tonnes
Fresh Water 3064 Tonnes
Lubricating Oil 77 Tonnes
Technical Fresh Water 1600 Tonnes

SAFETY EQUIPMENT
Life-saving and fire-fighting equipment onboard are as per vessel Class requirements.
L&T Sapura Shipping Private Limited is a joint venture of Larsen & Toubro Limited (India’s largest engineering, technology and construction company) and SapuraKencana Petroleum Berhad (a leading Malaysian oil and gas services provider). It is part of L&T Hydrocarbon Engineering Limited.

NOTE: Main and Auxiliary ratings include 10% DAF and Whip rating includes 30% DAF

Crane Chart
General Layout
## MAJOR PROJECTS COMPLETED

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
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<tr>
<td><strong>Transportation and Installation of Offshore facilities of East Piatu CPP Platform Phase - II</strong>&lt;br&gt;Client: New Field Peninsula, Malaysia&lt;br&gt;Installations Completed: Deck Modules: CPP Topside (2719 MT), U-301 Module (115.4 MT), U-321 Compressor Module (115.4 MT), LQ Module (741.3 MT), U 360 Mercury Removal Unit (41.4 MT)&lt;br&gt;LTS3000 executed lift of CPP topside weighing 2719 MT - close to maximum lifting capacity at East Piatu in Malaysia.</td>
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<td><strong>MHN Process Platform Project</strong>&lt;br&gt;Client: ONGC, India&lt;br&gt;Installations Completed: Jackets: MNP (13500 MT) Launch Type, MLQ (2160 MT) Launch Type, MNF-1 Tripod (1000 MT)&lt;br&gt;LTS3000 installed one of the largest process platform jackets (13500MT, 8-legged launch type with 23 pre-installed risers) for MHN Project of ONGC, India.</td>
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<td><strong>Zawtika Development Project</strong>&lt;br&gt;Client: PTTEP, Thailand&lt;br&gt;Installations Completed: Pipe Lay: Sea lines WP2 to ZPQ, 19” x 10km, WP3 to ZPQ, 19” x 11km&lt;br&gt;Jacket: WP1 (6726 MT), WP2 (8900 MT) and WP3 (6726 MT) - all launch type&lt;br&gt;Deck: WP1 (1030 MT), WP2 (1200 MT) and WP3 (1200MT)&lt;br&gt;LTS3000 launched 143m single-piece pile at 160m water depth to install jackets in Zawtika field, Myanmar.</td>
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<td><strong>JDA Gas Balancing Evacuation Project</strong>&lt;br&gt;Client: Trans Thai Malaysia Sdn Bhd, Malaysia&lt;br&gt;Installations Completed: Pipe Lay: 24” x 75kM&lt;br&gt;Lay rate: 200-220 joints per day (approx. 2.6km per day)</td>
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<td><strong>Installation of Offshore Facilities</strong>&lt;br&gt;Client: Murphy Sarawak Oil Co. Ltd.&lt;br&gt;Installations Completed: Deck: SN-PA (2668 MT), SN-AA (1375 MT), SN-PA WHP (248 MT), SA-PA (2595 MT), SA-AA (867 MT), SA-PA WHP Topside (263 MT)&lt;br&gt;Flare Boom: SN-PA Flare Boom (49 MT), SA-PA Flare Boom (52 MT)&lt;br&gt;Bridge: SN-PA/SA-PA Interconnecting Bridge (54 MT), SA-PA/SA-AA Interconnecting Bridge (52.5 MT)</td>
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<td><strong>Transportation and Installation of EMEPMI Offshore Facilities</strong>&lt;br&gt;Client: ExxonMobil Exploration &amp; Production Malaysia Inc (EMEPMI)&lt;br&gt;Installations Completed: Pipe Lay: 28” x 24.5km CRA Pipeline, 28” x 1.5km CRA Pipeline&lt;br&gt;Jacket: Telok-A (1627 MT) and Tapis-Q (2054 MT)&lt;br&gt;Deck: Tapis-A (1680 MT) and Tapis-Q (2254 MT)</td>
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Since 2010 – when LTS3000 was commissioned – up to September 2014, it has installed 65 offshore structures and laid 203 kilometres of sub-sea pipeline in various oil fields in India, Malaysia, Indonesia, Myanmar and Vietnam.

CONTACT DETAILS

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