

# Sapura Esmeralda



## DP Pipelay Support Vessel

### General Information

Flag: Brazil  
 Classification : Lloyds Register  
 Notations: \*100A1, Pipelaying Ship, Helicopter Landing Area, WDL (10t/m2 from fr.-10 to fr.100), LI, \*IWS, \*LMC, UMS, ICC, DP(AA), NAVI, IBS, CAC3/

### Principal Dimensions

Length Overall: 133.81 m  
 Length Between PP: 121.15 m  
 Breadth Moulded: 24 m  
 Depth Main Deck: 10.0 m  
 Summer Draught (Max): 6.75 m  
 Draught Scantling: 6.75 m  
 Deadweight At Design Draught: 6143 MT  
 Gross Tonnage: 12061 t  
 Net Tonnage: 3618 t  
 Air Draft with vessel draught of 6,75 m: 44.15 m

### Tank Capacities (100%)

Heeling Tanks: 392 m<sup>3</sup>  
 Fresh Water Tanks: 630 m<sup>3</sup>  
 Water Ballast Tank: 2757 m<sup>3</sup>  
 Marine Gas Oil: 1223 m<sup>3</sup>  
 Technical Fresh Water Tanks: 1125 m<sup>3</sup>

### DP Systems

DP Classification: Class II  
 DP System: KPOS DP22  
 Reference System: 1x Veripos DGPS  
 1x SeaStar DGPS  
 2x DGPS 232 / 432  
 2x HiPAP 500  
 1x Cyscan

### Power and Propulsion

DP capability: DP 2  
 Thrusters: 6 units  
 Stern Thrusters: 3 x 1965 kW  
 Retractable Thrusters: 1 x 2400 kW  
 Bow Thrusters: 2 x 1500 kW  
 Service Speed: 12.71 knots

### Cranes

NOV Principal Crane  
 Main hook (AHC - Knuckle Boom): 50 t  
 Auxiliary Hook: 10 t  
 TTS Auxiliary Crane  
 Main Hook: 15 t  
 Auxiliary Hook: 5 t  
 Heila Top TowerCrane  
 Double fall: 20 t  
 Single fall: 10 t  
 Personnel Lifting: 2.5 t

### Flexible Pipelay Capability

It is a vessel capable of operating in water depths of up to 2,500m, suitable for worldwide operation. It is fitted with two underdeck storage carousels, with a capacity for 2,350 tonnes and 650 tonnes of product. A vertical (tiltable) lay system (300 tonnes top tension capacity) is installed for deployment of a range of flexible products with a diameter from 50mm to 648mm, and a horizontal lay system (85 tonnes top tension capacity) is installed for deployment of a range of flexible products with a diameter from 50mm to 500mm. Both permanently installed systems.

Vertical Lay System (VLS) includes an A&R winch equipped with 2,500 meters of available wire length and a working capacity of 340 tons of top tension and an horizontal lay system (HLS) witch includes an A&R winch equipped with 2,500 meters of available wire length and a working capacity of 100 tonnes of top tension compatible with A-Frame installed at the stern of the vessel.

The moon pool is designed to hang off products up to 340 tonnes and is fitted with a mechanism to allow the product to be rotated under There are two 20t deck loading tensioners on the stern of the vessel. full load.

### ROV Systems

The vessel is fitted with two over side launched work-class III ROV's (TMT Typhoon - MKII) rated to 3000m depth.

### Accommodation

Capacity: 100 persons

- 4 x Single Cabins (with dayroom)
- 34 x Single Cabins
- 31 x Double Cabins

Hospital: For 3 - Person  
 Mess Hall: For 56 - Person

### Recreation Spaces:

- Lounge / video room, Smoking lounge, Internet lounge and Gymnasium

Helideck  
 D Value: 22.2m  
 T value: 12.8t

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92.

### Communication System

The vessel is fitted with an extensive communications system including a dual KU /C Band Vsat satellite communication system, WIFI entertainment system, 2x Inmarsat C and Inmarsat F systems.

[www.sapura.com.br](http://www.sapura.com.br)

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#### WIENA

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