



# Sapura Diamante



## DP Pipelay Support Vessel

### General Information

Flag:	Brazil
Classification :	Lloyds Register
Notations:	*100A1, Pipe Laying Ship, Helicopter Landing, Area, WDL (10 tm2 Aft to FR. 120) ShipRight ACS(B), LI*IWS, ECO, *LMC, CAC3, UMS, ICC, DP (AA), NAV-1, IBS.

### Principal Dimensions

Length Overall:	145.95 m
Length Between PP:	135.22 m
Breadth Moulded:	29.94 m
Depth Main Deck:	13.0 m
Summer Draught (Max):	8.30 m
Draught Scantling:	8.5 m
Deadweight At Summer	
Draught:	13612 t
Gross Tonnage:	18098 t
Net Tonnage:	5429 t
Air Draft with A&R Post React:	48 m (With vessel draft of 6 m)

### Tank Capacities (100%)

Heeling Tanks:	1010 m <sup>3</sup>
Fresh Water Tanks:	1010 m <sup>3</sup>
Water Ballast Tank:	4864 m <sup>3</sup>
Marine Gas Oil:	2000 m <sup>3</sup>
Technical Fresh Water Tanks:	1634 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:	7 units
Stern Thrusters:	3 x 2950 kW
Retractable Thrusters:	2 x 2400 kW
Bow Thrusters:	2 x 2200 kW
Service Speed:	14.18 knots

### Cranes

#### NOV Principal Crane

Main hook (AHC - Knuckle Boom):	250 t
Auxiliary Hook:	20 t
TTS Auxiliary Crane	
Main Hook:	30 t
Auxiliary Hook:	10 t

#### Heila Top TowerCrane

Double fall:	20 t
Single fall:	10 t
Personnel Lifting:	2.5 t

### Flexible Pipelay Capability

The ship has been designed by IHC Offshore & Marine, It is a vessel capable of operating in water depths of up to 3000m, suitable for worldwide operation. It is fitted with two underdeck storage carousels, with a capacity for 2,500 tonnes and 1,500 tonnes of product. A vertical (Tilttable) lay system (550 tonnes top tension capacity) is permanently installed for deployment of a range of flexible products with a diameter from 50mm to 648mm. The lay tower can operate at up to 10° inclination and is fitted with two tensioners, each of 275 tonnes capacity.

Two A&R winches are fitted of 3,000 meters of available wire length and a working capacity of 610 tonnes and 200 tonnes of top tension, respectively.

The worktable is designed to hang off products up to 600 tonnes and is fitted with a mechanism to allow the product to be rotated under full load. There are two 30t deck loading tensioners on the stern of the vessel.

### 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: 120 persons

- 5 x Single Cabins (with dayroom)
- 31 x Single Cabins
- 42 x Double Cabins

Hospital:	For 3 - Person
Mess Hall:	For 60 - Person

### Recreation Spaces:

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

### Helideck

D Value:	22m
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.

#### RIO DE JANEIRO

Praia de Botafogo, 186 - 7º andar  
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22250-900

#### RIO DAS OSTRAS

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Quadra J, Lotes 05, 06 e 19  
Rio das Ostras - RJ - Brasil

#### WIENA

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