

DIVING SUPPORT VESSEL



VESSEL CAPABILITIES

DIVING OPERATIONS



SUBSEA CONSTRUCTION



FLEXIBLE AND CABLE LAY



POSH MALLARD

Vessel Information

POSH Mallard is a dynamically positioned diving support vessel (DSV) equipped with a remotely operated vehicle (ROV), featuring a 120-tonne active heave compensated crane, a 12-man saturation diving system, and accommodation for up to 108 personnel, primarily used for subsea operations and maintenance in offshore fields.

- Length 89m X Beam 21m
- Mezzanine Deck Area 120m²
- Deck Area 550m²
- Accommodation up to 108 Persons
- 12-man saturation diving system
- ROV: Seaeye Panther XT Plus
- Fi-Fi Class 1
- Equipped DP2 Class
- Knuckle Boom AHC Subsea Crane
- Versatility: Designed to support a wide range of offshore operations, including construction, maintenance, diving operations and subsea tasks.

| PRINCIPAL PARTICULARS | |
|-----------------------|---|
| YEAR BUILT | 2017 |
| FLAG | Singapore |
| CALL SIGN | 9V5158 |
| BUILDERS | PaxOcean Engineering Zhoushan |
| OFFICIAL NO | 400782 |
| CLASSIFICATION (ABS) | ✱ A1 © Offshore Support Vessel (Supply, FFV 1), (DSV SAT, AIR, FFV1, Supply) , ✱AMS, ✱ACCU, ENVIRO, MLC-ACCOM, ✱DPS-2, UWILD, SPS, CRC, HELIDK, SKP, GP |

| DIMENSIONS & TONNAGE | |
|----------------------|----------|
| LENGTH OVERALL (LOA) | 89m |
| LENGTH BP | 81.47m |
| BEAM MOULDED | 21m |
| DEPTH MOULDED | 7.5m |
| DRAFT (DESIGN) | 5.9m |
| DRAFT (MINIMUM) | 4.6m |
| GROSS TONNAGE | 5,169T |
| NET TONNAGE | 1,550T |
| DWT 5.9m DRAFT | 3,246.3T |

| MAIN PROPULSION & MACHINERY | |
|-----------------------------|---|
| MAIN PROPULSION | 2 x Azimuth Propellers, 1,838kW each |
| GENERATORS | 4 x 1,881kW, 1 x 940kW, 1 x 440kW (Emergency), 1 x 550kW (Dive Emergency) |
| BOW THRUSTERS | 3 x 1,200kW, 16t Transverse tunnel thrusters |
| AIR COMPRESSORS | 1 x Service Air Compressor Capacity 300m³/hr @10bar |

| CRANE & DECK EQUIPMENT | |
|------------------------|--|
| MAIN CRANE | 1 x 120T Knuckle Boom AHC Subsea Crane (up to 2000m water depth) |
| SUBSEA LIFT | 45T@18m, Single Fall 2000m 90T@ 10.5m, 2 Fall Subsea Lift |
| CAPSTANS | 2 x 10T@15mpm, 400mm drum diameter |
| HELIDECK | Suitable for Sikorsky S92A, CAP 437 Compliant |
| ANCHORS | 2 x 3,786Kg (2 x 12 shots) 330m |

| LSA/FFA EQUIPMENT | |
|---|---|
| Fi-Fi (Class I) | FiFi pump capacity is 4,030m³/h, pressure is 12 bars, and power consumption is approx. 1,715kw, 2 Remote operated Monitor , capacity 1200m³/h (water) / 300m³/h(foam), pressure 10 bars |
| RESCUE BOAT & DAVITS | 1 x 9 POB Fast Rescue Boat |
| LIFEBOATS & DAVITS | 2 x 55 POB Lifeboats |
| LIFE RAFTS | 4 x 32 POB Life Rafts with full emergency pack 2 x 30 POB Life Rafts 2 x 15 POB Life Rafts |
| 2 x gravity davits c/w automatic lashing system | |

| DECK LOADING | |
|------------------------|---|
| DECK AREA | 550m² (Main Deck) 120m² (Mezzanine Deck) |
| CARGO DECK DESIGN LOAD | 7.5T/m² |
| MOONPOOL | 7.0m x 7.0m |

| SPEED | |
|-----------------------------|------------|
| ECONOMICAL SPEED | 10 Knots |
| MAXIMUM SPEED MINIMUM DRAFT | 12.5 Knots |

| CAPACITIES | |
|-----------------------------|-------------|
| FUEL OIL | 524.4m³ |
| CARGO FUEL OIL | 256.2m³ |
| POTABLE WATER | 920m³ |
| DRILL WATER / BALLAST WATER | 2294.3m³ |
| SEWAGE HOLDING | 31m³ |
| DIRTY OIL / BILGE | 17.1m³/15m³ |

| DYNAMIC POSITIONING EQUIPMENT | |
|-------------------------------|---|
| DP CLASS / MODEL | 2 x KONGSBERG KPOS |
| POSITION REFERENCES | 3 x DGPS (2 x Veripos + 1 Fugro) 1 x CyScan, 1 x RADIUS, 2 x HIPAP, 2 x LTW |

| ACCOMMODATION | |
|---------------------------------------|---------------------------------------|
| MARINE OFFICERS / CREW | 18 (crew & officers) |
| PASSENGERS | 90 |
| BERTH TOTAL | 108 |
| CABIN CONFIGURATIONS | 18 Singles, 19 Doubles, 13 Quadruples |
| Cabin sizes in compliance to MLC 2006 | |

ACCOMMODATION SPACES / EQUIPMENT

| | |
|----------------------------|--|
| MESS ROOM | 1 room |
| RECREATION ROOM | 1 room |
| OFFICE | 2 offices |
| CONFERENCE ROOM | 1 room |
| PRAYER ROOM | 1 room |
| HOSPITAL | 1 x 2 beds |
| GYM ROOM | 2 x treadmills, 2 x Cross Trainer, 2 x multi-station |
| CHANGING ROOM | 1 x 55 Lockers |
| LAUNDRY ROOM | 7 x heavy-duty washers + dryers |
| FREEZER & CHILLER | 2 x built-in freezer, 1 x built-in chiller |
| WATER MAKER | 2 x 30T/day Reverse Osmosis |
| SEWAGE TREATMENT | 108 men capacity |
| ELECTRICAL SOCKETS ON DECK | 4 x container sockets STB 480-500V 32 Amp, 3P, 50-60Hz 3 x container sockets Port 480-500V , 32Amp, 3P, 50-60Hz 3 x container sockets 110-130V, 16Amp, 1P+N+Ground, 50-60Hz 4 x container sockets AC440V/3P/60Hz/32A 8 x container sockets AC230V/3P/60Hz/32A |

DIVING EQUIPMENT

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|-------------------------------------|--|
| SATURATION DIVE SYSTEM | <ul style="list-style-type: none"> - 12 men ABS Classed to 300m - 5m³ x 3 Man Diving Bell - Centre Launch Moon Pool - Self-Propelled Hyperbaric Lifeboat - Divex Gas Reclaim System - Gas Storage Below Deck, 60m³ @ 200 bar, - In compliance with OGP468 and PLC-Based Sat Control to OGP411 |
| AIR DIVING SYSTEM (IMCA Compliant) | ABS Classed 3 Diver Nitrox System Inbuilt Dive Control & DDC Twin LARS to 50m |

ROV EQUIPMENT

| | |
|--------------|----------------------------------|
| MODEL | Seaeye Panther XT Plus |
| TYPE | Light Work Class System with TMS |
| DEPTH RATING | 850m |