

OCV PRIDE

DP3 SUBSEA CONSTRUCTION & INTERVENTION VESSEL



The M/V PRIDE is an advanced DP-3 / SURF / IMR / OFFSHORE CONSTRUCTION VESSEL with WELL INTERVENTION notation, one of the largest deck spaces and power generation offerings in its segment. Built in Canada in 2014 with an overall length of 130 meters and breadth of 28 meters, the PRIDE offers 2,000 square meters of deck space and 6,000 tons of cargo carrying capacity. The PRIDE has a 250-ton active heave compensating (AHC) subsea crane, an auxiliary 35-ton crane, and can generate 21 megawatts of power to support multiple operations simultaneously. The PRIDE is configured with dedicated ROV hangar, fitted with two XLS Work Class ROVs Port & Starboard, 3,000m rated with TMS systems, and dedicated built in ROV control room.

The PRIDE is configured with Kongsberg DP System, two HIPAP 500 acoustic positioning reference system, helideck and 7.2m x 7.2m moon-pool. The Pride is comfort class and comfortably accommodates up to 100 people, including marine crew, in single and double cabins. The vessel also contains integrated project offices and conference room, dedicated hospital facilities with elevator access from main deck to hospital and to helideck.

The PRIDE is a world class marine asset with proven track record and work history.

ASIA PACIFIC

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Safe & Professional

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SIS Smart Intervention System

A versatile integrated P&A and Intervention Tower with Deck Spread designed for maximum operational flexibility, even in the harshest climates. The dual level Rooster Box and underslung elevator or spool interface provides easy access and a universal platform for surface pressure equipment, AHC Slickline and E-line Operations and building/operation/recovery of CWOR and intervention systems.

Tower

Ram Rig hoisting system with inline AHC & PHC

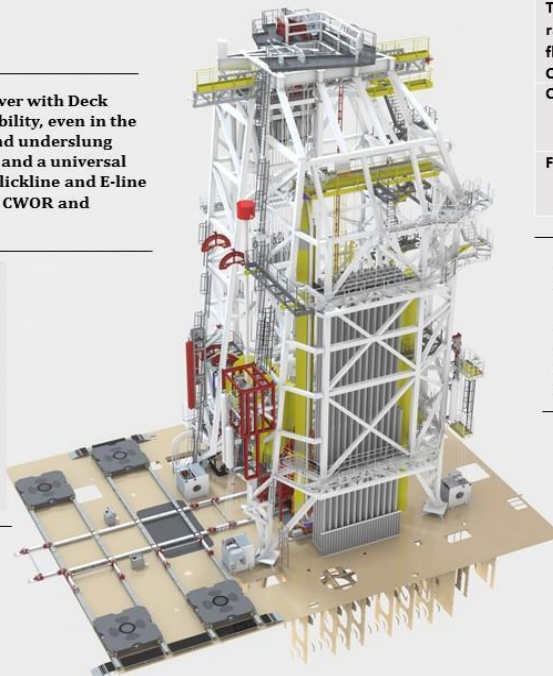
Water Depth 80m – 1500m
Rooster Box SWL 250t
Environment Operational Hs 5m
-20 to +45°C

Certified to DNVGL-OS-E101
Subsea Package Multi-level maintenance
Garage hanger

Riserless WL Max Height – 12.3m
Lubricator Multi-level
maintenance stand

Control System

- Integrated control cabin
- Operator Chair
- Siemens PLC with distributed network
- Interface with vessel safety systems
- Interface to vessel CCTV



Vertical Racking System

Touch button semi-automatic loading to & from rack to well centre of conventional threaded drill floor casing riser or specialist collet connector CWOR

| | |
|----------|--|
| Capacity | 55 x 90ft bays 5 x 90ft quarantine bays 5 x single bays |
| Feedback | Fingerboard latch sensors Handling arm sensors Integrated CCTV |

Guide & Pod Wire Systems

4 off Guide-Wire Winches & 2 off Pod-Wire Winches with inline PHC cylinders

Guide Wire SWL 5t – tension at well
Pod Wire SWL 10t – tension at well
Drum capacity 1600m

OILS

Osbit Integrated Logistics Support (OILS) is a platform facilitating collection off and access to equipment data, allowing instant fault finding and incident investigation of all integrated equipment.

Highlights:

- Preventative Maintenance Schedule (PMS)
- Maintenance Work Orders (WO)
- Remote access module
- Storage of Tower & ROV CCTV
- Tower, Riser & Subsea Package feedbacks

SPECIFICATIONS

MAIN DATA

| | |
|----------------|---|
| IMO Number | 9431915 |
| Call Sign | 9WNL5 |
| Year Delivered | 2014 |
| Flag | Singapore |
| Length Overall | 130 m |
| Breadth | 28 m |
| Draught | 7.50 m |
| Gross Tonnage | 14,139 |
| Transit Speed | 15 kts |
| Deck Space | 2,000 m ² @ 10t/m ² |
| Cargo Capacity | 6,500 T |
| Office Space | Office & Conference Rooms |
| Hospital | 1 |
| Helideck | 13 t, 22.2 m dia. / designed for S92 |
| DNV Notations | ✱1A Ship-Shaped Well Intervention Unit (2) Clean COMF (C-3, V-3) Crane DK (+) DYNPOS (AUTRO) E0 HELDK (S,H) Ice (C)SF |

ACCOMMODATION (COMFORT CLASS)

| | |
|---------------|--|
| Total | 100 pax |
| Configuration | 42 x 1-person cabins 29 x 2-person cabins |
| Facilities | 2x Large Project Offices overlooking main deck 1x dedicated TV Room 52 seats, 1x Sauna 1x dedicated conference Room 1x dedicated hospital facility (Elevator access from main deck) |

LIFE SAVING EQUIPMENT

| | |
|----------------------|------------------------------|
| Lifeboats (enclosed) | Norsafe, 2 x 92 persons each |
| Life Rafts | Viking, 8 x 25 persons each |

CAPACITY

| | |
|----------------------|----------------------|
| MGO | 3,560 m ³ |
| Fresh Water Capacity | 900 m ³ |
| Ballast Water | 6,924 m ³ |

POWER AND PROPULSION

| | |
|------------------|-----------------------------------|
| Main Engines | 6x diesel generator (GE 16 V 250) |
| Main Generator | Leroy Somer |
| Installed Power | 690V/450V/230V 60 Hz |
| Main Propulsion | Steerpop azimuth, 3 x 3.0MW |
| Tunnel Thruster | Brunvoll, 2 x 1.5 MW |
| Azimuth Thruster | 1 x 2.0 MW |



DYNAMIC POSITIONING

| | |
|--------------------|--|
| DP Classification | DP-3 |
| DP System | Kongsberg Maritime KPOS |
| Reference Systems: | |
| | 2 x C-NAV |
| | 1 x FanBeam 4.2 MDL (2 x 6 Way Prism; 3 Tube Reflectors) |
| | 1 x Radius 1000 Interrogator; 4 x Radius 700 Transponders |
| | 2 x Kongsberg HiPAP 501 Position Reference Systems |
| | 3 x MRU5 Kongsberg Seatex Motion Reference Units |
| | 3 x Sperry Marine Navigat X MK1 Digital Gyrocompass |
| | 3 x Kongsberg OMC 139D Wind Display with 3 x Gill Instruments Wind Observer II Ultrasonic Anemometer |

ROV HANGARS & FACILITIES

| | |
|-------------------|----------------------------------|
| Number of Hangars | 1 x port & 1 x starboard |
| ROV Types | Suitable for large WROVs |
| Control Room | Dedicated control room on A-deck |
| Office | Dedicated ROV office on A-deck |

SUBSEA DECK CRANE

| | |
|-------------|--|
| Maker | National Oilwell Varco |
| Type | Knuckle-boom – Active Heave Compensated |
| Location | 1st deck portside, fr. |
| Man Riding | Yes |
| Wire Length | 2,750 |
| Capacity | Harbour Deck Lift 250 t @ 14 m Subsea Lift 250 t @ 12 m Aux winch 20 t @ 40 m Man riding 1 t @ 40 m |
| Hook Travel | 2,500 m |

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ROV SPECIFICATIONS

| | |
|----------------------|--|
| ROV System | Triton XLS |
| Horsepower | 150HP |
| Dimensions | Length: 3m (9ft, 10 in.) Width: 1.85m (6ft, 1in.) Height: 2m (6ft, 8in.) |
| Depth Rating | 3,000m (10,824ft) |
| Weight | 250kg (550lb) Payload |
| Weight in Air | 4,309kg (9,500 lbs) |
| Depth Applications | Altimeter |
| Video Cameras | 1 x SIT or low-light CCD Camera 1 x Color Zoom Camera 2 x b/w Cameras |
| Thrusters | 4 x Horizontal and 4 x Vertical |
| Manipulators | RigMaster TA-60 5-Function Schilling T4 7-Function |
| Digital Sonar System | Simrad Mesotech MS 1000/1081 |
| Circuits | 6 x 250-watt Lights Standard |
| Gyro | Solid-state |
| Sensor | Pitch / Roll |
| Depth Gauge | Digiquartz |
| Auto Functions | Heading / Depth / Altitude |
| Lighting | Strobe and Location Beacon |

CARGO DECK CRANE

| | |
|--------------------|---|
| Maker | TTS Marine |
| Type | Knuckle-boom |
| Location | 1st deck starboard, fr. 11 |
| Personnel Transfer | |
| Capacity | Harbor Deck Lift 35 t @ 17 m Aux winch N.A |

FUEL CONSUMPTION (Approx.)

| | |
|--------------------|------------------------|
| Standby | 6m ³ / day |
| DP3 Mode | 21m ³ / day |
| Transit @ 10 knots | 24m ³ / day |

PERFORMANCE

| | |
|---------|------------|
| Transit | 10 knots |
| Maximum | 16.5 knots |

MOONPOOL

| | |
|---------------|--|
| Dimensions | 7.2 m x 7.2 m |
| Hatches | Welded and flush on 1 st deck |
| Gantry Cranes | 10t covering whole hangar |
| Damping | Cofferdams |
| Venting | Air Blowing |



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