

AQUARIUS BRASIL



AQUARIUS BRASIL is an integrated project management and execution centre developed to facilitate all offshore asset installation and maintenance projects providing workshops, storage, offices, meeting rooms as well as living and leisure facilities for a large number of people right next to where they are needed.

MOBILE OFFSHORE INTEGRATED WORK CENTRE



PARTICULARS

| | |
|----------------|--|
| Year Converted | 2013 |
| Shipyard | Sembawang Shipyard Singapore |
| Flag | Portugal, Madeira Registry |
| IMO No. | 9147306 |
| Call sign | C Q K Z |
| Class | Bureau Veritas I \otimes Hull \otimes Mach, Ro-ro passenger ship Unrestricted navigation \otimes DYNAPOS AM/AT-R \otimes ALM, INWATERSURVEY REF-STORE, CLEANSHIP COMF 3 |

DIMENSIONS

| | |
|----------------------------|----------|
| Length Overall | 180.00 m |
| Length between Pps. | 168.00 m |
| Beam (moulded) | 24.30 m |
| Beam (Upper deck) | 25.00 m |
| Depth (to Main deck) | 8.70 m |
| Depth (to Upper deck) | 14.90 m |
| Draft (to summer mark) | 6.50 m |
| Number of client personnel | 450 |
| POB | 533 |

MACHINERY

Total of 31.5 MW generator power:

- 4 diesel generator sets of 5.5 MW each
- 2 diesel generator sets of 3.8 MW each
- 2 diesel generator sets of 0.93 MW each (for port use)

ELECTRICAL

- 6-way split medium voltage (6.6 kV) ABB switchboard
- 2x2-way split low voltage switchboard
- 2 emergency generators

PROPULSION

Total of 8 thrusters with a total power of 17.6MW:

- 3 x 3.5 MW ABB compact azimuth pods aft
- 3 x 1.65 MW Wartsila retractable azimuth thrusters forward
- 2 x 1.1 MW Brunvoll tunnel thrusters forward

Maximum speed - 13 knots

CAPACITIES

Autonomy for up to 60 days

| | |
|-------------------|----------------------|
| - MDO | 1 970 m ³ |
| - Fresh water | 1 004 m ³ |
| - Water ballast | 2 051 m ³ |
| - Lubricating Oil | 45 m ³ |

ACCOMMODATION

Crew

- 17 single cabins
- 33 double cabins

Client

- 53 double cabins
- 86 quadruple cabins
- All cabins with attached toilets
- All cabins can be fitted with LCD TV, DVD player and internet
- Quadruple cabins consisting of 2 separate areas: day room and sleeping area
- 2 Main restaurants - 102 & 170 places
- Crew mess room - 42 places
- Hospital with examination room and 3 beds
- Laundry (fully equipped for the full complement on board)
- Linen room
- Cold storage rooms

LEISURE

- Crew Lounge - 83 m²
- Internet Cafe - 76 m²
- Cinema - 70 places
- TV Games Room - 42 m²
- TV Lounge - 72 m²
- Lounge/Bar - 40 places / 93 m²
- Table Tennis Room - 30 m²
- Gym - 147 m² (with a variety of equipments)

PROJECT MANAGEMENT

- Open office - 122 m²
- Document Control Centre - 57 m²
- Video-Conference rooms - 2 x 48 m²
- Individual Offices - 6 x 9 m²
- Library

CRANES & GANGWAY

- Marine Aluminium offshore telescopic gangway 38.5m +/- 8.0m with adjustable height in 3 steps
- 50t Offshore knuckle boom crane for 15t at 40m and an auxiliary hoist with a capacity for 10t at 50m, man riding
- 15t Offshore knuckle boom
- 5t Gantry crane, at Deck 5
- 5t Monorail crane, at Deck 3
- 1t Monorail crane, at Paint Store

HELIDECK

- CAP 437 compliant helideck with D=22 and t=12.8
- Helideck lounge - 29 seats / 31 m²

WORKSHOPS AND STORAGE

- Work/storage area at Deck 3 - 1 080 m² (covered with excess of 5.0 m free height)
- Closed Work shop at deck 3 - 42.5 m²
- Client stores at Deck 4 - 106 m²
- Work/storage/lay down area at Deck 5 - 1 400 m² (covered/open)
- Paint storage/workshop at deck 5 - 105m²
- Oxygen/Acetylene storage rooms at deck 5 - 2x50m²
- Cargo/equipment access to Decks 3 workshop and storage areas made through 13 500 mm x 5 000 mm hatchway
- At port access to Deck 3 zone can be made through the stern door for quick load/unload operations

RADIO & DP EQUIPMENT

- GMDSS area A3 radio installation including X-band & S-band radars with ARPA
- Kongsberg dynamic positioning system K-Pos DP31 with cJoy Operator Terminal with 3 connection positions in the Navigation Bridge
- 2 x MRU-2, 3 x Gyro, 3 x Ultrasonic Wind Sensor, DPS 700 (incl. DPS 232R+, DPS 132, Spotbeam, DGPS 464 UHF), DPS 4D with MRU-5+ and Spotbeam, 2 x CyScan System, 1 x RADius System
- Offshore Gangway interfaced to DP control system as reference system
- HiPAP gate valve (50 mm) installed to enable possibility to deploy hydro-acoustic reference system in the future

DECK EQUIPMENT

- 2x400 kN hydraulic windlasses/mooring winches and 1x400 kN mooring winches forward
- 4x400 kN mooring winches aft
- Emergency towing system at bow and stern

LSA

- 6 fully enclosed, tanker type, lifeboats with a total capacity of 592 persons,
- 6 davit launched liferafts each for 25 persons
- MOB
- Fast rescue craft

OTHER EQUIPMENT

- 2 x 180 m³/day reverse osmosis units for fresh water production
- 2 x 25 m³/day evaporators for technical water production
- 3 Flume stabilizing tanks
- 4 anti-heeling tanks
- Ro-ro Stern door for quick loading/unloading
- C-Loading loading system for stability and strength

Owner:

Pegasus Marine & Offshore Pte Ltd

Development and Project Management:

Poseidon Offshore Pte Ltd

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