OOS INTERNATIONAL B.V.

SEMI SUBMERSIBLE CRANE / ACCOMMODATION UNIT

revision 4.5

OOS SEROOSKERKE
OOS WALCHEREN
OVERVIEW

Semi-Submersible Crane Vessels OOS Serooskerke and OOS Walcheren are multifunctional assets with the ability to offer various services such as: Accommodation, Heavy Lifting, Installation, Modification, Decommissioning, Renewables and Subsea Installation & Removal.

With first-rate station keeping abilities and large crane capacity of 4,400 t in tandem, heavy modules can be placed on the large open deck. In combination with offering the facilities of the Floatel, OOS can deliver turn-key solutions to meet your business needs.

SSCV HIGHLIGHTS

- Unique braceless design
- Hotel capacity is 750 persons on board
- Construction/crane vessel 2x 2,200 t
- Fast compressed air assisted ballast system for quick compensation during lifting operations
- Subsea construction and subsea support up to 3,000 m with Active Heave Compensation up to 5,0 m stroke
- Platform removal and installation
- High transit speed of 11 kn
- DPS-3 with enhanced EHS-P notation
- Excellent proven motion and stationkeeping characteristics
- Low running costs and fuel consumption in both DP and Transit Mode due to close-loop (close bus bar) operation
**SSCV SPECIFICATION**

### NAME AND BACKGROUND

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<tr>
<th>Description</th>
<th>Details</th>
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<tr>
<td>Estimated delivery date</td>
<td>OOS Serooskerke Q3 2019, OOS Walcheren Q2 2020</td>
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<td>Builders</td>
<td>China Merchants, Heavy Industry</td>
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<td>Marshall Islands</td>
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### GENERAL

- **Classification:** ABS
- **Notation:** A1, Column
- **Stabilized Unit, Crane Service, Construction & Maintenance Service, Accommodation Service, AMS, ACCU, MPS-3, EHS-P, ENVIRO-OS, UWILD, IHM, CRC, (HC-SUBSEA-PL, OC), HAB+(MODU), SKP, PMP+, EGC-SCR, ISQM, BWT+
- **IMO:** 9826512
- **Length:** 137.75 m
- **Beam:** 81.0 m
- **Depth molded:** 12.0 m
- **Main deck height:** 42.80 m from keel
- **Deck box height:** 12.8 m
- **Transit draught:** 11.3 m (excl. thrusters)
- **Operating draught:** 20.0 m (excl. thrusters)
- **Heavy lift draught:** 22-26.4 m (excl. thrusters)
- **Lightship weight:** 37.800 t

### CARGO CAPACITIES

- **Clear deck space:** 3800 m²
- **Deck Load:** 15 ton/m²
- **Variable Deck Load:** 6.037 t
- **Transit Pay load:** 3.357 t
- **Fuel:** 2.828 t
- **Potable water:** 1.642 t
- **Lub oil:** 77.5 t

### MACHINERY/PROPULSION

- **Main Gensets Engine:** 8 x STX 8L32/40 MCR 4.000 kW
- **Propulsion:** 6 x 3.8 mW Thrustmaster
- **Fixed Pitch Azimuth Thrusters**
- **Underwater Demountable**
- **Steering:** Azimuth Thrusters
- **Speed:** 11 kn
- **Power Management System incl. DPS:** Kongsberg Marine

### SAFETY

- **Life boats:** 10 x 150 POB
- **Life rafts:** 30 x 25 POB for total 750 POB

### ACCOMMODATION

- **750 POB:**
  - 1-Man cabin: 90
  - 2-Men cabin: 318
  - 4-Men cabin: 6
  - 101 cabins with day light

### DECK MACHINERY

- **Heavy lift cranes:** 2 x 2.200 t @ 22.1 m,
  - Huisman Capable of tandem lift
  - 4.400 ton and for Subsea
  - Operations up to 3.000 m with Active Heave Compensation up to 5,0 m Stroke
- **Service Cranes:** 1 x 36 t @ 23.5 m, Huisman
  - 1 x 60 t @ 38,0 m, Huisman
- **Gangway:** Telescopic – Hydraulic Type,
  - Huisman Nominal Length 39.0 m,
  - Stroke +7.5 m / -7.5 m
- **Towing:** 4 x SMIT Tow Brackets
- **Mooring (Optional):** 8 point mooring system 1.500 m 76 mm wire
- **ROV (Optional):** 2 ROV units
- **Diving (Optional):** SAT Diving Spread