**SOUTHERN OCEAN** is a Sawi-con design, diesel electric, DP2, multipurpose subsea services support vessel with 2 deep AHC water crane.

The vessel is designed for world-wide, deep water operations to fulfill the following duties.

- Construction work.
- Subsea installation.
- Umbilical laying.
- ROV Operations.
- Survey.

**REGISTRATION**

Vessel Name: **SOUTHERN OCEAN**  
Type: **Construction support vessel**  
Year: **2010**

Owner: **Oceanteam BOURBON 4 AS**

Builder: **Metalships and dock, Vigo (Spain)**  
Class: **DNV + 1A1, DYNPOS-AUTR, EO, DK (+), CLEAN DESIGN, COMF-(V5), CARGO SHIP, NAUT-OSV, HELIDECK.**

Flag: **Malta.**

Updated: **21-09-2011**
**DIMENSIONS**
Length overall: .................................................. 136.60 m
Breadth moulded: ............................................ 27.00 m
Depth: .................................................................. 9.70 m
Draft max: ......................................................... 6.85 m
Dead weight @ 6.85 m draft: .............................. 10,000 t

**ACCOMMODATIONS**
Accommodations for: .......................................... 120 pers.
Single cabins: .................................................. 50
2 man cabins: ................................................... 35
Hospital (with 2 beds): .......................................... 1
1 Mess room (60 seats), 1 recreation room (50 seats), 1 conference room (12 seats), laundry, galley, stores, offices, reception room for helideck, gymnasium, sauna, cinema.
Fully air conditioned.
Work shop.

**CAPACITIES**
Main deck area: .............................................. 2,400 m² @ 10 t/m²
Fuel oil: ............................................................. 1,700 m³
Ballast water: .................................................... 7,400 m³
Fresh water: ........................................................ 1,000 m³
Fuel pump delivery: ........................................ 2 x 50 m³/hr at 2 bars
Fresh water pump: .............................................. 50 m³/hr at 2.5 bars
Water maker: ....................................................... 2 x 25 m³/day

**MACHINERY / PERFORMANCE**
Main Diesel engines: ...................................... 4 x 3,360 kW.
Generators: ....................................................... 4 x 3,230 kW.
Propulsion: ....................................................... 2 x 3,500 kW, azipull thrusters.
Bow thrusters: ................................................... 1 swing-up thruster 1,500 kW.
Harbour generator: ........................................... 580 kW.

**SPEED / CONSUMPTION**
Maximum speed (100%): .................................... 15 knots
Service speed (80%): .......................................... 12 knots

**EQUIPMENT & ELECTRONICS**
Main crane (midship PS): AHC MACGREGOR 250t
- Harbour capacity......... DAF1.2 - 250t @10m - 70t @ 35m
- Offshore capacity........ DAF1.5 - 217t @10m - 65t @ 35m
2500m wire
Secondary crane on starboard side forward: AHC NATOIL 90t
- Harbour capacity........ DAF 1.2 - 110t @10m - 40t @ 30m
- Offshore capacity....... DAF 1.6 - 90 t @13 m -30t @ 30m
1600m wire
Provision crane: .................................................. 5 t @12 m
Mooring winches: .............................................. 2 x 10 t
Moon pool: ......................................................... 7.20 x 7.20 m
Helideck: ......................................................... Design for S92 (20.90 x 20.90 m)
Stabilising equipment: ........................................ 2 passive anti roll tanks
2 anti heeling systems

**DYNAMIC POSITIONING SYSTEM**
Comply with DNV notation NMD class 2, DYNOPOS-AUTR.
Kongsberg K-Pos 21, with references:
- 2 Simrad HIPAP 500
- 2 DGPS 116/132
- LTW Taut Wire Mk 15
- Fan Beam.

**NAVIGATION**
1 radar S-band-1 radar X-band-1 radar slave.

**COMMUNICATION**
UHF, VHF, Sat C, Fleet 77.
KU band 128 kbit.
Cat 5 network, Video network, telephone/video in all cabins.

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All particulars believed to be correct but not guaranteed

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