BOURBON SSV, has been designed by Offshore Ship Designers. This hybrid propulsion vessel operates as a support vessel for a seismic mother ship and can be runne following three propulsion modes.

- Diesel-mechanical mode will be used in sailing condition.
- Diesel-electrical mode, in escorting condition.
- Boost mode, in towing condition.

The vessel can perform for the following duties:

- Fuel delivery (MDO and HFO).
- General supplies, with equipment stored on deck.
- Transport and supply food.
- Back-load of waste and sludge.
- Accommodation and transfer for up to 12 passengers.
- Tow the seismic vessel.
- Emergency recovery of seismic gear.
- Chasing activity for seismic survey.
- Collection of prospect data characteristics for seismic survey.

REGISTRATION

Vessel Name: BOURBON SSV.
Type: Seismic support vessel. IMT 952
Year: 2013
Flag: Cyprus.
Owner: BOURBON.

Builder: Grandweld Shipyards, DUBAI.
Class: BV 1 + HULL, + MACH, + AUT-UMS, MONSHAFT, Tug, Supply Vessel, Special Service Supply at Sea for Seismographic Research Support, flash point > 60° C - Oil Product, Unrestricted navigation.

Updated: 17-09-2014
**MAIN PARTICULARS**

### DIMENSIONS
- Length overall: 53.80 m
- Breadth moulded: 13.00 m
- Depth: 6.30 m
- Max / Design draft: 4.80 m / 4.00 m
- Deadweight: 1,360 mt
- Bollard pull @ Diesel - mechanical mode: 40 mt
- Bollard pull @ boost mode: 50 mt
- Gross / Net tonnage: 1,358 / 407

### CAPACITIES
- Deck area: (5 mt/m2) (23,00x10,20 m) approx. 230 m2
- Max Deck cargo: 205 mt
- Domestic MDO: (97%) 276 m3
- Cargo MDO / Cargo HFO: (97%) 70.8 m3 / 894.4 m3
- Deliverable MDO / HFO cargo: 950 m3
- Fresh water: 121 m3
- Ballast water: 519 m3
- Lub oil: 10 m3
- Thermal oil: 4 m3
- Cargo slops: 10 m3

### DELIVERY RATES
- Cargo HFO / MDO: 2x 200 m3/h at 60 m
- Cargo MDO: 50 m3/h at 60 m
- Cargo fresh water: 50 m3/h at 60 m
- Ballast / Fire pump: 75 m3/h at 50 m
- Bilge system: 75 m3/h at 50 m
- Main cargo fuel oil tanks equipped with heating system to accept optional charterer supplied, plug and play 500 kW thermal oil heater (capable of heating 895 m3 HFO from 35°C to 50°C in less than 72 hours).

### ACCOMMODATIONS
- Accommodations for: 24 pers. (including 12 passengers)
  - Single cabins: 2
  - 2 man cabins: 5
  - 4 man cabins: 3
  - 1 sickbay cabin: 1
- Mess room, 2 day rooms, laundry, galley, dry provisions, freezer & cargo reefer rooms (+4°C & -21°C), stores, crew changing, Seismic recording room.
- Fully air-conditioned.

### MACHINERY / PERFORMANCE

#### PROPELLION - MACHINERY
- Main Diesel engines: 2x 1,575 bhp
- Auxiliary Diesel generators: 3x 550 kW
- Electric motor plant: 2x 350 kW
- Main propulsion: 2x Hybrid propulsion package on CP propellers
- Bow tunnel thrusters: 2x 300 kW
- Emergency generator: 1x 95 kW

#### SPEED / CONSUMPTION
- Diesel–Mechanical mode: 11.8 t/day @ 11.0 knots
- Diesel–Electrical mode: 3.0 t/day @ 6.0 knots
- Boost mode: 15.4 t/day @ 11.5 knots

### ELECTRONICS

#### NAVIGATION
- 2 radars with ARPA, 1 DGPS, 1 gyrocompass,
- 1 magnetic compass, 1 autopilot, 1 echo sounder, 1 speed log
- 1 ECDIS
- Loading software.

#### COMMUNICATION
- 1 radio system compliant with GMDSS A3 rules:
  - 2 VHF, 2 Inmarsat C, V-Sat, MF radio system, Navtex with printer, weather fax, AIS
  - 1 EPIRB, 1 Fleet broadband 500, 1 Inmarsat mini-C, 2 VHF, 2 UHF
  - 4 portable UHF, 3 portable VHF, Intercom & Public address system

### SAFETY EQUIPMENT
- Life saving arrangement, 6 life rafts with capacity 12 pers.
- 1 fast rescue boat (6 pers) outboard engine 25 hp with davit.

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**All particulars believed to be correct but not guaranteed**

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