



# BOURBON HELENE - MPSV

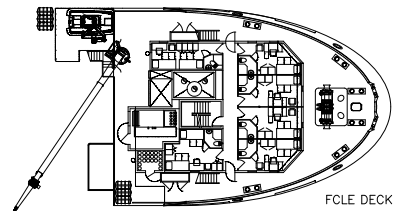
DP 2 diesel electric multi-purpose support vessel  
for deep water operations  
2,879 t deadweight



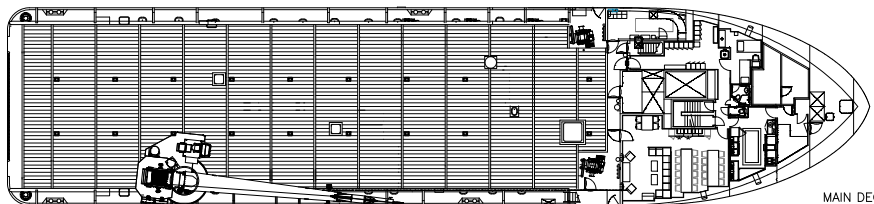
**BOURBON HELENE** is a GPA 670 design, diesel electric, DP11 multipurpose subsea services and platform supply vessel.

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

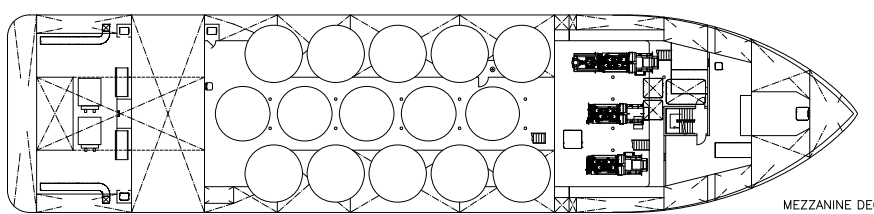
- Subsea light intervention and deepwater precision lifting.
- ROV operations and survey.
- Maintenance of floating hoses.
- Transportation of liquid products, deck cargo and other equipment for drilling and production support.
- Fire-fighting.
- Arranged for oil recovery operations.



FCLE DECK



MAIN DECK



MEZZANINE DECK

MULTI PURPOSE SUPPLY VESSEL

## REGISTRATION

Vessel Name: **BOURBON HELENE.**  
Type: **Multi-purpose supply vessel, GPA 670 ROV.**  
Year: **2006.**

Owner: **Bourbon Offshore.**

Builder: **Zhejiang China**  
Class: **BV +HULL, +MACH Unrestricted Navigation**  
**Supply Vessel/Oil product, Fi-Fi I, Water spray, + AUT-UMS**  
**+ DYNAPOS-AM-AT-R.**  
Flag: **FRENCH.**

Updated: 15-04-2010



### MAIN PARTICULARS

#### DIMENSIONS

|                  |         |
|------------------|---------|
| Length overall:  | 73.20 m |
| Breadth moulded: | 16.50 m |
| Depth:           | 6.80 m  |
| Draft:           | 5.50 m  |
| Deadweight:      | 2,879 t |
| Gross tonnage:   | 2,535   |
| Net tonnage:     | 760     |

#### CAPACITIES

|                  |                      |
|------------------|----------------------|
| Deck area:       | 675 m <sup>2</sup>   |
| Deck cargo:      | 1,600 t              |
| Fuel oil:        | 1,068 m <sup>3</sup> |
| Drill water:     | 759 m <sup>3</sup>   |
| Fresh water:     | 579 m <sup>3</sup>   |
| Liquid product:  | 1,072 m <sup>3</sup> |
| Dry Bulk/Cement: | 255 m <sup>3</sup>   |
| Base oil:        | 196 m <sup>3</sup>   |
| Sewage:          | 11.50 m <sup>3</sup> |
| Gray water:      | 12 m <sup>3</sup>    |

#### DELIVERY RATES

|                   |                                     |
|-------------------|-------------------------------------|
| Fuel oil:         | 150 m <sup>3</sup> /h at 9 bars     |
| Drill water:      | 150 m <sup>3</sup> /h at 9 bars     |
| Fresh water:      | 150 m <sup>3</sup> /h at 9 bars     |
| Liquid mud/Brine: | 2 x 75 m <sup>3</sup> /h at 15 bars |
| Dry Bulk/Cement:  | 50 t/h at 6 bars                    |

#### ACCOMMODATIONS

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Accommodations for:                                                     | 40 pers |
| Single cabins:                                                          | 6       |
| 2 man cabins:                                                           | 11      |
| 4 man cabins:                                                           | 3       |
| Hospital:                                                               | 1       |
| Galley, provision room, stores, 1 mess, 2 day rooms, laundry, 1 office. |         |
| Fully air conditioned.                                                  |         |

### MACHINERY / PERFORMANCE

#### PROPULSION - MACHINERY

|                         |                                   |
|-------------------------|-----------------------------------|
| Main diesel generators: | 3 x 1,825 kW                      |
| Propellers:             | 2 x Z drive propellers, fix pitch |
| Drives:                 | 2 x 1,920 kW                      |
| Emergency generator:    | 170 kW                            |
| Bow thrusters:          | 2 x 746 kW Tunnel                 |

#### SPEED / CONSUMPTION

|                       |          |
|-----------------------|----------|
| Maximum speed (100%): | 13 knots |
|-----------------------|----------|

### EQUIPMENT & ELECTRONICS

#### DECK EQUIPMENT

|                        |                                   |
|------------------------|-----------------------------------|
| Deck cranes:           | 1 x 12 t at 18,5m (until 2,000 m) |
|                        | 1 x 3 t @ 16 m                    |
| Tuggers:               | 2 x 10 t                          |
| Capstans:              | 2 x 8 t                           |
| Roll reduction system: | Roll stabilization Tanks.         |

#### Vessel equipped for ROV operation:

- Foundation for 2 ROVs.
- Power units: 2 x 500 kVA/440 V.
- 2 removable bulwarks/rail (L= 6.10 m) each.
- Pre-cable video & communication bridge to deck.

#### SAFETY EQUIPMENT

- Fire Fighting: (Fi-Fi I).
- 2 pumps of 1,500 m<sup>3</sup>/h .
- 2 monitors of 1,200 m<sup>3</sup>/h.
- MOB boat with davit.
- Life saving arrangement.
- Stand by rescue equipment.

#### ELECTRONICS

##### NAVIGATION

- 2 radars
- 3 gyrocompasses
- 1 magnetic compass
- 1 digital echo-sounder
- 1 speed log
- 1 autopilot system
- 1 GPS ( and 2 DGPS)

##### COMMUNICATION

- 1 radio system compliant with GMDSS A3
- 1 SSB Duplex DSC
- 1 Inmarsat F 77 providing phone, fax, E-mail

#### DYNAMIC POSITIONNING SYSTEM

- Type: Class DP2
- Sensors and monitoring as per class 2 requirements.
- Kongsberg DP system.
- 1 HiPaP 500.

*All particulars believed to be correct but not guaranteed*