



# VOS Discovery

## Field-support vessel

Vessel number 3473

### GENERAL

|                  |                                    |
|------------------|------------------------------------|
| Survivor Class   | Group 'B' (Up to 300 survivors)    |
| Builder          | Astilleros Zamakona, Bilbao, Spain |
| Vessel type      | Field-support vessel               |
| Year built       | 2007                               |
| Port of registry | Aberdeen                           |
| Flag             | United Kingdom                     |
| Call sign        | MRJN7                              |
| Class            | Lloyd's Register +100 A1+LMC, UMS  |

### PRINCIPAL DIMENSIONS

|                          |         |
|--------------------------|---------|
| Length overall (LOA)     | 55.20 m |
| Beam                     | 12.70 m |
| Summer draft             | 4.50 m  |
| Net registered tonnage   | 429     |
| Gross registered tonnage | 1,433   |
| Freeboard at rescue zone | 1.75 m  |

### MACHINERY & PROPULSION

|                              |                                     |
|------------------------------|-------------------------------------|
| Main propulsion number       | 2                                   |
| Main propulsion power source | 4 x Caterpillar C18 Marine Diesels  |
| Main propulsion type         | SES Diesel-Electric System          |
| Main propulsion              | Schottel STP-500 Twin Prop Azimuths |
| Total propulsive power       | 1,500 kW                            |
| Side thrusters number & type | 1 - Electric tunnel thruster        |
| Side thruster power source   | Diesel electric propulsion system   |
| Side thruster output power   | 450 kW                              |
| Rudders                      | Azimuth propellers                  |

### PERFORMANCE

|                                    |   |
|------------------------------------|---|
| Fuel consumption at max speed      | Approx. 5.5 tonnes per day @ 12.9 knots |
| Fuel consumption at economic speed | Approx. 3.0 tonnes per day @ 10 knots   |
| Fuel consumption in standby mode   | Approx. 0.8 tonnes per day              |

### ADDITIONAL CAPABILITIES

|                           |                                  |
|---------------------------|----------------------------------|
| Water capacity            | 465 m <sup>3</sup>               |
| Fuel capacity             | 404 m <sup>3</sup>               |
| Dispersant booms          | 2 x Warren Springs               |
| Dispersant pumping system | Ayles Fernie 'Clearspray' System |
| Dispersant capacity       | 5 tonnes                         |
| Dispersant type           | Client's supply                  |
| Deck cargo carrying area  | 170 m <sup>2</sup>               |
| Towing arrangements       | Cruciform bollard centreline aft |

### ACCOMMODATION

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| Crew accommodation                | 15 cabins (8 singles + 7 doubles) |
| Total crew accommodation capacity | 22                                |
| Number of seats (survivors)       | 75                                |
| Number of bunks (survivors)       | 20                                |

### COMMUNICATIONS EQUIPMENT

|  |     |
|--|-----|
| GMDSS MF radio                         | Yes |
| GMDSS HF fixed radio system            | Yes |
| GMDSS portable radios                  | Yes |
| VHF radio 1 & 2 non GMDSS              | Yes |
| Portable VHF radios                    | Yes |
| Broadband                              | Yes |
| Satellite communications (voice & fax) | Yes |
| Email                                  | Yes |
| Mobile phone                           | Yes |
| E.P.I.R.B.                             | Yes |
| S.A.R.T. (no. and type)                | 2   |
| Hospital communications                | Yes |
| UHF radio 1                            | Yes |
| GMDSS compliance                       | Yes |

### NAVIGATION EQUIPMENT

|                             |     |
|-----------------------------|-----|
| Radar no. 1                 | Yes |
| Radar no. 2                 | Yes |
| GPS navigator               | Yes |
| Echo sounder                | Yes |
| Navtex                      | Yes |
| VHF direction finder        | Yes |
| Gyro compass                | Yes |
| Automatic pilot             | Yes |
| Joystick manoeuvring system | Yes |

### SURVIVOR RECOVERY/RESCUE EQUIPMENT

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Rescue craft no 1 type              | 15 man - MP1000 fast rescue DC     |
| Davit no. 1 type                    | Grampian Hydraulics Scorpion Davit |
| Davit no. 1 safe working load (SWL) | 7.5 metric tonnes                  |
| Davit no. 1 secondary lift          | Electric/hydraulic                 |
| Rescue craft no. 2 type             | 15 man - MP Weedo 700              |
| Davit no. 2 type                    | Grampian Hydraulics GD5 Davit      |
| Davit no. 2 safe working load (SWL) | 3.5 metric tonnes                  |
| Davit no. 2 secondary lift          | Electric/hydraulic                 |

### ADDITIONAL RESCUE/RECOVERY FACILITIES

|                                    |                              |
|------------------------------------|------------------------------|
| Mechanical recovery type           | 1 of 7m Dacon Scoop          |
| Overside rescue zones size         | Port 7m, Stbd 5m             |
| Emergency helicopter winching area | Foredeck and aft main deck   |
| Rescue basket                      | Cosalt type                  |
| Searchlights                       | 2 x 360° on Bridge Top       |
| Vessel self-drenching capacity     | 5 litres/square metre/minute |

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