OFFSHORE SURVEY & ROV
VESEL | STRIL EXPLORER
**M/V STRIL EXPLORER**  
**SHIP DATA**

**TYPE OF VESSEL**  
DP2 Multi Purpose Support Vessel

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Flag:</th>
<th>Isle of Man</th>
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</thead>
<tbody>
<tr>
<td>Port of Registry:</td>
<td>Douglas</td>
</tr>
<tr>
<td>Call Sign:</td>
<td>2EBI9</td>
</tr>
</tbody>
</table>
| Class:          | DNV +1A1 General Cargo Carrier  
EO-HELDE-S-DYNPROS-AUTR  |
| IMO No:         | 9484845                      |

**BUILDER AND DIMENSIONS**

<table>
<thead>
<tr>
<th>Builder:</th>
<th>Westcon, Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Build:</td>
<td>2010</td>
</tr>
<tr>
<td>Hull No:</td>
<td>33</td>
</tr>
<tr>
<td>LOA:</td>
<td>76.4 m</td>
</tr>
<tr>
<td>Beam:</td>
<td>16.2 m</td>
</tr>
<tr>
<td>Design Draft:</td>
<td>4.75 m</td>
</tr>
<tr>
<td>Gross Tonnage:</td>
<td>3650</td>
</tr>
<tr>
<td>Net Tonnage:</td>
<td>1090</td>
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**PERFORMANCE**

| Service Speed:   | 10 kts                      |
| Max Speed:       | 12 kts                      |
| Fuel Cons. (Survey Speed): | 6 MT/day                  |

**LIMITING WEATHER CONDITIONS**

Always according to Master’s decision.  
Indicative Limitations: Wind force 8 (Beaufort scale)  
Sea state 5 (WMO sea state code)

**BUNKERS**

| Fuel:      | 600 m³                   |
| Freshwater: | 120 m³ + Watermaker      |

**MANNING**

Safe Manning Crew: 20

**PROPULSION**

2 x Schottel Azimuth Thrusters 1200 kW  
Bowthrusters: 1 x Tunnel Thruster Brunvoll 800 kW  
2 x Retraceable Azimuth Thruster, Schottel 800kW  
Station holding capacity, DP class 2

**MAIN ENGINES**

4 x Caterpillar 3516, Output 4 x 1600 kW

**DECK EQUIPMENT**

Deck Cranes: 1 x Hiab 3 T provision crane.  
Offshore Crane: 1 x Main crane, TTS Knuckle boom 60 T with 60 T main hook, AHC, 1500 m working depth (optional 2000 m), 10 T whip line, AHC, 1500 m working depth Crane hydraulic power unit (HPU) and 60 T winch installed below deck.  
1 x TTS Knuckle boom 10 T deck/diving service crane 100 m working depth.

**DECK AREA**

| Shelter Deck:             | 523 m²                  |
| Main Deck Cargo:          | 270 m²                  |
| Main Deck Hangar:         | 160 m²                  |
| Max Total Deck Load:      | 1300 T                  |
| Max Deck Load:            | 5 T/m²                  |
| Inside Deck Area (Hangar): | Main ROV hangar suitable for 2 x work ROV, launching through hangar port/stb side doors.  
Separate deck hangar suitable for 1 x Obs ROV launching through side door.  
Project cargo or control containers can be stowed under deck to save space on open deck. |

**ACCOMMODATION**

The vessel is in general certified for 20 marine crew and 50 special Purpose Personnel:  
Total No. Beds: 70 berths  
Total No. of Cabins: 43  
Single Cabins: 16 x 1 man cabins, 5 w/office facility  
Double Cabins: 27 x 2 men cabins  
Office: 1 x offline room/offices (client)  
1 x offline room/offices inc. 2 off separate offices (client)  
1 x decks office (marine crew)  
Hospital: 1 x hospital  
Other: Conference room, can be open to mess room (marine/client), dirty mess, gymnasium/game room, sauna and outside built in swimming pool, 1 x mess room, 2 x day room
**NAVIGATION AND POSITIONING**

**Approval/Class:**
- DNV class DYNPOS-AUTR
- Kongsberg

**Reference System:**
- Two separate DGPS-DPS 700

**Primary Positioning System:**
- POS MV 320 with C-Nav C2, IALA DGPS corrections and RTK option

**Secondary Positioning System:**
- CNAV 3050 with C1 corrections

**Optional Positioning System:**
- Fugro Starfix with XP/HP/G2 correct

**Gyro/Motion:**
- Applanix POS MV 320
- CDL MiniPos3 (T24)

**Inertial Navigation System:**
- Applanix POS MV 320

**ERN Number:**
- 99,99,99

**Underwater Positioning:**
- HIPAP 500

**Survey Navigation System:**
- QPS QINSy
- EIVA OnlineSuite

**Sound Velocity Profiler:**
- Valeport MiniSYS

**Hull Mounted Sound Velocity Sensor:**
- Valeport MiniSYS

**BATHYMETRY AND GEOPHYSICS**

**Multibeam Echosounder:**
- Kongsberg EM 2040D

**Singlebeam Echosounder:**
- Kongsberg EA 400

**2DHR Spread:**
- Source 2x90 cu in GI gun
- SEAL Receiver 600/1200m (48/96 channel)
- Gun Controller EEL Controller

**OFF-LINE SOFTWARE**

- Arc GIS
- Autodesk AutoCAD Map 3D
- CARIS HIPS & SIPS
- Chesapeake SonarWiz
- EIVA NaviSuite
- IXSEA DelphINS
- Oasis Montaj incl UXO Marine
- POSPac MMS
- QPS/IVS Processing Suite
- SMT Kingdom
- TerraPos
- Triton Imaging
- Visual Soft Visual Works
- Wish software Autochart

**SUBSEA AND INSPECTION EQUIPMENT**

**SROV Kystdesign Surveyor Interceptor**
- Vibrocorer: 6/3 m system
- Corers: Piston/gravity corer 6/3 m
- Samplers: Boxcorer/Grabsampler
- Gradiometer: Innovatum 12 sensor system
- CPT: Neptune 5000
- Drop Camera: MMT HD Drop Camera

**WROV Kystdesign Supporter**
- Vibrocorer: 6/3 m system
- Corers: Piston/gravity corer 6/3 m
- Samplers: Boxcorer/Grabsampler
- Gradiometer: Innovatum 12 sensor system
- CPT: Neptune 5000
- Drop Camera: MMT HD Drop Camera
MULTI PURPOSE SUPPORT VESSEL DESIGN “MM 73 MSV”

SPECIFICATIONS

Flag: Isle of Man
Port of Registry: Douglas
Call Sign: 2EB19
IMO No: 9484845
Class: DNV + 1A1 General Cargo Carrier EO-HELDK-SDYNP-ROS-AUTR