The CROV is designed for use in subsea support, IRM operations and remote intervention tasks. These include positioning subsea structure, pipelines/umbilical connections, pipeline repairs, component change-out and debris removal.

**SYSTEM FEATURES**

- Water depth rating of up to 1000m
- Payload capacity of 250kg
- Certified for Zone 2 (Class 1 Division 2)
- Launch and recovery at 30kts wind/3.0m Sig. wave

**LAUNCH AND RECOVERY SYSTEM (LARS)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Hydraulically powered A-frame c/w umbilical sheave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe Working Load</td>
<td>3500kg + survey skid 350kg</td>
</tr>
<tr>
<td>Design Factor</td>
<td>3g</td>
</tr>
<tr>
<td>Deployed Reach</td>
<td>4127mm out board reach</td>
</tr>
<tr>
<td>Dimension (LxWxH)</td>
<td>6000mm x 3000mm x 3600mm stowed position</td>
</tr>
<tr>
<td>Max Gross SWL</td>
<td>28000kg</td>
</tr>
</tbody>
</table>

**Control & Workshop Container**

<table>
<thead>
<tr>
<th>Dimension (LxWxH)</th>
<th>6059mm x 2438mm x 2790mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>13500 kg</td>
</tr>
</tbody>
</table>

**Vehicle Equipment**

| Manipulator                  | 1x 7 function            |
| Grapple                      | 1 x 5 function           |
| Camera Pan and Tilt          | 1 x Hydraulic Pan & Tilt |
| Colour Camera                | 3 x ROVSCO 3000          |
| B&W Camera                   | 1 x ROVSCO 3000BW        |
| Sonar                        | 1 x Imagenex Sonar or equivalent |

**VEHICLE SPECIFICATIONS**

- **Depth Rating**: 1000 m seawater
- **Length**: 2890 mm
- **Width**: 1580 mm
- **In Air Weight**: 3500 kg
- **In seawater**: Neutral
- **Fwd/Aft Bollard Pull**: 450 kgf
- **Lateral Bollard Pull**: 400 kgf
- **Vertical Bollard Pull**: 400 kgf
- **Fwd/Aft Surface Speed**: <3.0 knots
- **Lateral Surface Speed**: <2.5 knots
- **Vertical Surface Speed**: 2.0 knots
- **Spare Payload**: 300 kg
- **Through Frame Lift Propulsion**: 350kg underslug
- **3 x 350 vertical hydraulic thrusters 20kW**
- **Thruster Ctrl Manifold**: 1 x 8 station Servo control manifold valve 200 bar / 77 lt./min
- **Manipulator control manifold**: 2 x 10 @ 15 lt./min station bi-directional control valve manifold assembly for manipulators and toolings output
- **Auto functions**: Heading, depth, altitude ±1.0 degrees
- **Depth sensor**: ±0.15%
- **Altimeter**: 20mm
- **Telemetry**: Transmission via copper (RS485) or fibreoptics (RS232)
- **Lighting**: 2kW available from 4 x 250 watt dimmer channels