Windfarm Installation Vessels (WIVs)
Pacific Orca & Pacific Osprey

**PRINCIPAL DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length over all</td>
<td>160.90 m</td>
</tr>
<tr>
<td>Length between perpendiculars</td>
<td>155.60 m</td>
</tr>
<tr>
<td>Breadth, moulded</td>
<td>49.00 m</td>
</tr>
<tr>
<td>Depth to main deck</td>
<td>10.40 m</td>
</tr>
<tr>
<td>Draught, design</td>
<td>5.50 m</td>
</tr>
<tr>
<td>Draught, max.</td>
<td>6.00 m</td>
</tr>
<tr>
<td>Deadweight at 5.5 m draught</td>
<td>approx. 8,400 T</td>
</tr>
<tr>
<td>Deadweight, Jacking</td>
<td>approx. 8,400 T</td>
</tr>
<tr>
<td>Max Speed</td>
<td>13.0 kts</td>
</tr>
</tbody>
</table>

**OPERATING CONDITIONS FOR JACKING**

- **Service Restrictions when Jacking:**
  - Wind Speed: 20 m/s
  - Significant Wave Height: 2.5 m (subject to actual conditions onsite)
  - Leg Length: 105 m
  - Maximum Leg Protrusion: 80 m below the hull
  - Current: Within DP Operating Envelope

**ACCOMMODATION**

- **Cabins:** 111 Single Berth Cabins (with ensuite bathrooms)
- **Recreation Facilities:** Cafeteria with seating for 70 personnel, 2 Day Rooms, Fitness Centre, 2 TV Lounges
- **Offices:** Operations Office, 2 Conference Rooms, 4 Multi-use Offices
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**CLASS**
Germanischer Lloyd (GL)
100 A5 Offshore Support Vessel Self-Elevating Unit
WTIS EP Helil SPS (except SRtP)

**FLAG**
Cyprus

**TANK CAPACITIES**
- Marine gas oil: 4,200 m³
- Lube oil: 43 m³
- Fresh water - potable: 1,500 m³
- Water ballast: 12,000 m³ (approx.)
- Sewage (black + grey): 540 m³

**LEGS & JACKING SYSTEM**
- Number of legs: 6 Sets of 3-Chord truss type
- Jacking System: High Speed Rack & Pinion
- Speed: Raising / Lowering Legs 2.4 m/min
  Raising / Lowering Hull 1.2 m/min

**MAIN CRANE**
- Main Hoist SWL in tandem: 1,200 T @ 31 m (2 x 600 tonne hoists)
- Auxiliary Hoist: 500 T @ 50 m
- Whip Hoist: 50 T @ 110 m (man-riding)
- Max Operating Wind Speed: 20 m/s
- 7 x Tuggers: 25 T SWL each

**AUXILIARY CRANE**
- Main hoist SWL: 35 T @ 6.5 to 30 m (man-riding)
- Aux hoist SWL: 25 T @ 6.5 to 40 m

**THRUSTERS**
- Azimuth Stern Thruster: 4 x 3.4 mw
- Bow Retractable Azimuth Thruster: 2 x 2.2 mw
- Bow Tunnel Thruster: 2 x 2.2 mw

**DYNAMIC POSITIONING SYSTEM**
- Type: DP2

**CARGO AREA**
- Main Deck Area: 4,300 m²
- Deck Loading: 15 T/m²

**HELICOPTER LANDING DECK**
- D-value (max): 22 m
- Weight (max): 12.8 T