SEABED CONSTRUCTOR
MULTI-PURPOSE OFF SHORE VESSEL

OCEAN INFINITY
Seabed Intelligence
FEATURES

DP 2 class system
1300 m² deck space
Active heave compensated (AHC) 250t main crane
Two ROV systems
Real time data processing center onboard
Helideck
Moon pool 7.2 m X 7.2 m

DIMENSIONS

Length: 115.40 m
Draft: 7.12 m
Beam: 22 m
Deck Space: 1300m²
Cargo Holds: 346m²
Accomodations: 102 PAX

SPEED

Service Speed: 12.5 kn (Approx)
Maximum Speed: 16.1 kn (Approx)

MACHINERY

Main Engines: 5X Caterpillar
5X 2230 ekW
Generators: 1X 1700 kW Harbor
Stern Thrusters: 1X 800 kW Tunnel
Main Propulsion: 2X 3000 kW Contaz
Fwd Thrusters: 2X 1500 kW Tunnel
Fwd Retractable Thrusters: 1X 1200kW Azimuth

NAVIGATION

Radar: 2X Furuno 10/3cm radar (S-band)/(X-band) w/Arpa
Gyro: 3X Gyro Compasses
GPS: 2X DGPS System
MRU: 2X Kongsberg MRU 5
1X Kongsberg MRU 2
DP: 2X Kongsberg DP operator stations
Speed Log: 1X Speed Log
ECDIS: Dual ECDIS (Approved for paperless navigation)
Echo Sounder: 1X Navigation echo sounder
Heading Sensor: 1X Seapath 300

AUXILIARY

Helideck: MTIO EH101 26.1 D-Value/16t
Salvage Winch: 45t AHC w/6000m fibre rope
Crane: Main - 250 t/12m radius
Deck - 5t/18m radius
### SEABED CONSTRUCTOR

#### SURVEY

<table>
<thead>
<tr>
<th>High Precision</th>
<th>2 x Fugro Starpack</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNSS positioning</td>
<td>POS MV Elite</td>
</tr>
<tr>
<td>Heading and attitude sensor</td>
<td>Javad GNSS DeltaQMS</td>
</tr>
<tr>
<td>USBL positioning</td>
<td>2x HiPAP (HiPAP 502 &amp; HiPAP 102)</td>
</tr>
<tr>
<td>APOS Survey &amp; AUV</td>
<td>EIVA NaviPac</td>
</tr>
<tr>
<td>Control function</td>
<td>EIVA NaviModel</td>
</tr>
</tbody>
</table>

#### SOFTWARE

<table>
<thead>
<tr>
<th>3D/4D modelling &amp; visualisation</th>
<th>EIVA NaviModel</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS</td>
<td>ArcGIS &amp; Geocap</td>
</tr>
<tr>
<td>SSS/SBP processing software</td>
<td>Ixblue</td>
</tr>
<tr>
<td>INS Post-Processing software</td>
<td>NavLab</td>
</tr>
</tbody>
</table>

#### FUEL

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>SEASTATE</th>
<th>CONSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Transit Speed</td>
<td>Light</td>
<td>38t</td>
</tr>
<tr>
<td>11-12kn Transit Speed</td>
<td>Light</td>
<td>25t</td>
</tr>
<tr>
<td>12-13kn Transit Speed</td>
<td>Moderate</td>
<td>25t</td>
</tr>
<tr>
<td>10kn Economical Speed</td>
<td>Moderate</td>
<td>17t</td>
</tr>
<tr>
<td>DP</td>
<td>Heavy/Moderate/Light</td>
<td>17t/13t/8-9t</td>
</tr>
<tr>
<td>In Port</td>
<td>n/a</td>
<td>3-4t</td>
</tr>
</tbody>
</table>

Find out more at: oceaninfinity.com
ROV FEATURES

Double ROV hangar

ROV mechanical and electrical workshop

ROV online room integrated in vessel for both ROV systems

KYSTDESIGN SUPPORTER 31

Depth Rating: 6000m
HPU Power: 150 HP
Auxiliary
Tooling Flow: 200 LPM at 230 bar
Thrusters: 7x SA300
Bollard Pull: fwd/lateral 670 kg
up/down 620 kg
Manipulators: Schilling T4
7F Manipulator
Schilling Rigger
5F Manipulator
Payload: 220 kg
Size: 2.75m x 1.7m x 1.75m
Weight: 3600 kg
Tether: TMS capacity 1100m tether
Cameras: Colour zoom camera
Low light navigation camera
Tooling camera
Lights: LED lights
Sonar: Kongsberg Mesotech MS1000
Gyro: Octans Phins C3
Other Sensors: Depth sensor
Altimeter

SCHILLING HD 35

Depth Rating: 4000m
HPU Power: 150 HP
Auxiliary
Tooling Flow: 72 LPM at 207 BAR
Thrusters: 7x SA380
Bollard Pull: fwd/lateral 900 kg
up/down 850 kg
Manipulators: Schilling T4
7F Manipulator
Schilling Rigger
5F Manipulator
Payload: 250 kg
Size: 2.5m x 1.7m x 1.9m
Weight: 3700 kg
Tether: TMS capacity 850m tether
Cameras: Colour zoom camera
Low light navigation camera
Tooling camera
Lights: LED lights
Sonar: Kongsberg Mesotech MS1000
Gyro: CDL Togsnav
Other Sensors: Depth sensor
Altimeter
DVL

STARBOARD LARS

A-Frame deployed SWL 19 Te
Outreach 5.5m
AHC winch with SWL 24.5 Te

PORT LARS

A-Frame deployed SWL 19 Te
Outreach 5.5m
AHC winch with SWL 24.5 Te