EXPERIENCE
Canyon Offshore currently operates and maintains 54 work class ROVs, 5 trenching systems, 2 ROVDrill systems and 3 DP III support vessels via strategic offices in key areas of the world.

INNOVATION
Canyon Offshore works closely with our clients and vendors to seek and resolve complex technical developments to engineer practical solutions and implement in the most efficient, safe and economical ways possible.

VALUE
Canyon Offshore is one of the most innovative and reliable specialty marine contractors in the world. Focusing on providing leading edge underwater, unmanned services in extreme environments, Canyon strives to deliver the highest value to its customers.

The Grand Canyon II is specially designed for operation under severe weather conditions with high maneuverability and station keeping capabilities.

The Grand Canyon II is a versatile, and technically advanced, dynamically positioned (DP Class 3) Multi-Role construction support Vessel (MSV). She is equipped with a 250 ton Active Heave compensated crane with 3,000m of installed crane wire. The vessel offers 1,650m of available open deck space to deploy a wide variety of subsea construction equipment, including subsea product reels, carousel drive assemblies, winches and other hardware. The large steel deck allows clients the flexibility to deploy large equipment, such as Canyon Trenchers, subsea templates, subsea production trees, control modules and other Canyon Offshore or client required tools and equipment in a safe and efficient arrangement.

The Grand Canyon II is equipped with high quality, comfort class accommodations for 104 persons with multiple dedicated client offices, conference rooms and excellent crew dining and recreational facilities including gym, saunas, lounges and cinema.

The Grand Canyon II is designed to operate in severe weather conditions with high maneuverability and station keeping capabilities, which enable it to work efficiently and reliably with consistent results reducing downtime during critical operation.

The Grand Canyon II is provided with two (2) ea. Schilling HD Generation III, 250 hp work class ROV systems installed in Port and Starboard launch hangars, with a dedicated controls area. The Grand Canyon II includes dedicated survey systems, including Multiple HiPap transponders, dedicated survey areas on the bridge with multiple video links and remote monitoring stations throughout the client offices and vessel work areas.
### MAIN CHARACTERISTICS

- **Vessel Name**: Grand Canyon II
- **Owner**: Volstad Maritime
- **Builder**: Kleven
- **Design**: ST-259 CD
- **IMO Number**: 9653874
- **Year Built**: 2015
- **DNV Class Notation**: DnV + 1A1, E0, ICE C, DYNPOS, AUTRO, SPS, CLEAN DESIGN, COMF-C3-V3, HELDK-SH, NAUT-OSV(A), CRANE, TMON, BIS
- **Flag**: Panama

### DIMENSIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length Overall</td>
<td>127.75 m</td>
</tr>
<tr>
<td>Length Between Particulars</td>
<td>114.60 m</td>
</tr>
<tr>
<td>Breadth Moulded</td>
<td>25.00 m</td>
</tr>
<tr>
<td>Depth to Main Deck</td>
<td>10.80 m</td>
</tr>
<tr>
<td>Maximum Draft</td>
<td>7.50 m</td>
</tr>
<tr>
<td>DWT at SWL / 7.3 m</td>
<td>Approximately 7,500 Te</td>
</tr>
<tr>
<td>Deck Area Aft of Hanger</td>
<td>1,650 m²</td>
</tr>
<tr>
<td>Dead Weight</td>
<td>7,900 t</td>
</tr>
<tr>
<td>Gross Tonnage</td>
<td>12,652 t</td>
</tr>
<tr>
<td>Net Tonnage</td>
<td>3,796 t</td>
</tr>
</tbody>
</table>

### ACCOMMODATIONS

- **Accommodations**: 104
- **Cabins**: Single and double cabins
- **Gangway**: 2 x hydraulic operated gangways leading to reception area
- **Lounges**: 4
- **Cinema**: 48 seats
- **Hospital**: 1
- **Gym**: 1
- **Saunas**: 1 x female sauna, 1 x male sauna

Vessel also features a messroom with self-serving area, meeting rooms & offices on various decks, Helideck reception area and an outdoor pool.

### DECK EQUIPMENT

- 250 t AHC offshore crane with 3,000 m wire
- 1 auxiliary crane, starboard, 15 Te / 20 m
- 1 auxiliary crane for provision handling 2 Te / 18 m
- 4 tuggerwinches, each 10 Te
- 2 capstans, each 10 Te

### DYNAMIC POSITIONING SYSTEM

- Dual redundant dynamic positioning system
- 2 x Acoustic positioning units (HIPAP 500)
- 3 x DGPS
- Laser fan beam
- 3 x MRUs
- 2 x Tautwire winches / A-frames
- Cyscan

### NAVIGATION & RADIO COMMUNICATIONS

- Equipment according to GMDSS regulations, Area A3
- 3 x radars, 3 x gyro compasses
- Auto pilot, DGPS
- Electronic chart system
- 3 x Anschütz
- Calling, command, telephone system + CCTV

### TANK CAPACITY

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Oil</td>
<td>Approximately 2,000 m³</td>
</tr>
<tr>
<td>Potable Water</td>
<td>Approximately 500 m³</td>
</tr>
<tr>
<td>Technical / Cargo Water</td>
<td>Approximately 1,000 m³</td>
</tr>
<tr>
<td>Technical / System Water</td>
<td>Approximately 200 m³</td>
</tr>
<tr>
<td>Water Ballast</td>
<td>Approximately 3,923 m³</td>
</tr>
</tbody>
</table>

### REMOTELY OPERATED VEHICLES (ROVS)

- 2 x 200 hp UHD WROVs
- Hangar for port and starboard launching of WROV’s
- ROV workshop and maintenance area
- Offices and meeting rooms for ROV operations
- Online / offline rooms
- Overhead crane in hangar 50 Te SWL
- LARS are active heave compensation electric McCartney systems

### TUNNEL THRUSTERS / AZIMUTHS

- 2 electric driven tunnel thrusters aft, each 2,000 kW
- 4 electric driven tunnel thrusters in bow, each 2,000 kW

### POWER GENERATING PLANT

- 6 x 3,000 kW diesel generator sets, 720 rpm
- 1 x 550 kW emergency generator

### FUEL CONSUMPTION

<table>
<thead>
<tr>
<th>Description</th>
<th>Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dock</td>
<td>6 m³ / day</td>
</tr>
<tr>
<td>Mobilization</td>
<td>12 m³ / day</td>
</tr>
<tr>
<td>Demobilization</td>
<td>12 m³ / day</td>
</tr>
<tr>
<td>Normal Transit @ 12 kts</td>
<td>35 m³ / day</td>
</tr>
<tr>
<td>Fast Transit @ 15 kts</td>
<td>55 m³ / day</td>
</tr>
<tr>
<td>DP Low Loading Light</td>
<td>12 m³ / day</td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>16 m³ / day</td>
</tr>
<tr>
<td>DP Med Loading Increased</td>
<td>Environmental Conditions</td>
</tr>
</tbody>
</table>

### SPEED

- Maximum speed at 6.0 m draft approximately 15.0 kn

### ANTI-ROLLING TANKS

- One anti-rolling heeling system

### MAIN PROPULSION EQUIPMENT

- Diesel electric propulsion plant
- Two nozzle propellers for main propulsion, output of 5.0 MW each

### HELIDECK

- **Rating**: Sikorsky, S-92
- **Rules**: CAA CAP437 / DnV
- **Diameter**: 26.1 m

### SAFETY EQUIPMENT

- **Fast Rescue Craft (FRC)**
- 2 x 68 men lifeboats
- According to SOLAS for the specified class and number of crew
- Stability according to IMO Res. MSC.266 (84) code of safety for special purpose ships 2008