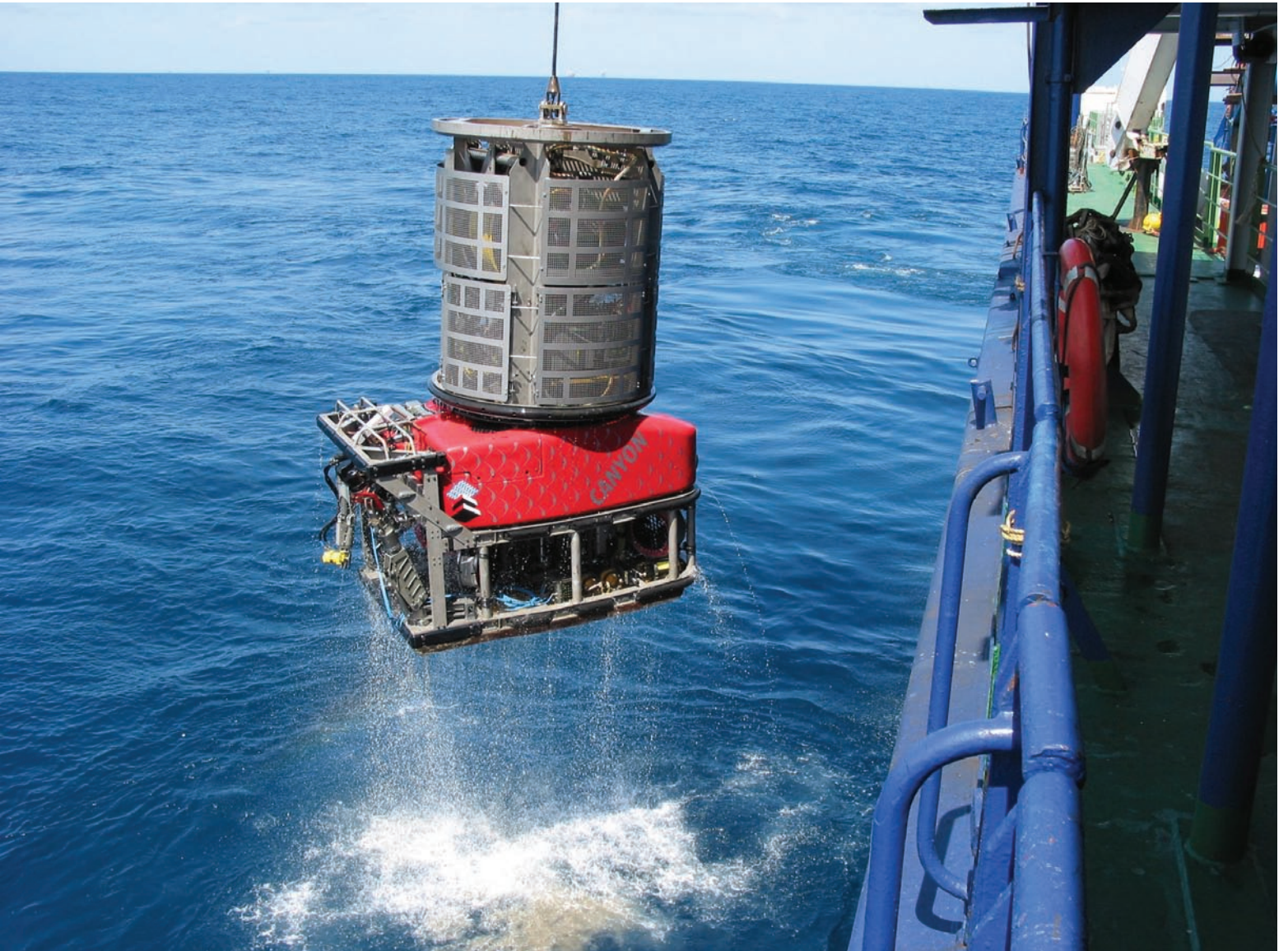


# Quest Specialty Marine Contracting ROV System



The Quest is a compact, electric work-class ROV system offering features and enhancements over hydraulic work-class systems. With the system's reduced size and weight, deck space requirements and installation time are decreased, allowing for rapid mobilization.

An all-electric propulsion system provides powerful work-class performance while reducing size and improving reliability.

The Quest's common-component philosophy reduces cost and saves valuable repair and maintenance time.

The system can be provided with optional skids for construction and inspection tasks and deployment of hydraulic tools. The tooling circuits include innovative dual-fluid circuitry, "on the fly" pressure and flow control for tool management.

The Quest ROV system does not require hydraulic oil for its main propulsion, thus greatly reducing the chances of environmental contamination. An environmentally safe hydraulic oil is used for the auxiliary tooling package and static compensation circuit, making the Quest a truly environmentally friendly work-class ROV.

## APPLICATIONS

The Quest is a full-capability, field-proven, work-class ROV system capable of performing a wide range of deepwater tasks, including:

- Multi-task survey operations
- Construction support
- Pipelay support
- Drilling support
- Remote intervention
- Search and salvage support
- Geophysical survey support
- Tooling deployment
- Suction pile operations

## Vehicle

- 60 kW (performance superior to 100-hp hydraulic ROV)
- 3,050 m rated (10,000 ft)
- 160 kg payload (352 lb)
- 2,000-kg through frame lift

### Dimensions

- Length: 2.8 m (9 ft, 2 in.)
- Width: 1.8 m (5 ft, 10 in.)



- Height: 1.7 m (5 ft, 6 in.)
- Weight in air: 2,500 kg (5,500 lb)
- 7 x 7.5 kW thrusters (4 horizontal, 3 vertical)
- 6 x SeaNet HID lights
- 1 x Simrad ROS navigator camera
- 1 x Simrad OE 1367 color zoom camera
- 1 x Simrad OE 1359 monochrome camera
- 1 x Simrad OE 1393 manipulator camera
- Schilling Orion 7-function S/C manipulator
- Schilling RigMaster 5-function grabber
- Simrad MS 1071D digital sonar
- Digiquartz® depth sensor
- RDI doppler velocity log
- Strobe and locating beacon
- 7.5-kW hydraulic power unit with 8-valve manifold
- TCM 2 precision navigation gyro

## Tether Management System (TMS)

- 425-m (1,390-ft) tether
- 1 x Simrad OE 1358 monochrome camera mounted on pan and tilt
- 1 x SeaNet HID light
- 4,400-kg through-frame lift

### Dimensions

- Diameter: 1.78 m (5 ft, 10 in.)
- Height: 2.13 m (7 ft)
- Weight in air: 1,995 kg (4,400 lb)

## Umbilical Winch/Launch and Recovery System (LARS)

- Winch: Dynacon Model 421-130
- LARS: Dynacon 6010 A-frame
- 75-hp winch
- Drum capacity: 3,300 m (10,824 ft)
- Umbilical length: 3,048.8 m (10,000 ft)
- 7,000-kg safe working load
- 8,750-kg maximum line pull
- Crossbow motion reference unit
- Positive latch and rotation
- Self-erecting A-frame
- DNV certification for lifting, low-temperature environments

## A-Frame Dimensions:

- Reach: 2.75 m (9 ft)
- Length: 6.3 m (20 ft, 7 in.)
- Width: 3.26 m (10 ft, 8.5 in.)
- Height extended: 8.3 m (27 ft, 3 in.)
- Height collapsed: 3.5 m (11 ft, 6 in.)
- Weight: 17,050 kg (37,600 lb)

## Control Cabin and Consoles

### Dimensions

- Length: 9.15 m (30 ft)
- Width: 2.44 m (8 ft)
- Height: 2.59 m (8 ft, 6 in.)
- Weight: 4,496 kg (32,000 lb)

TheaterView operator control station (72-in. screen enhances the operator's situational awareness and reduces fatigue)

*Specifications subject to change.*

Changing the way you succeed.

**Canyon Offshore**  
5212 Brittmoore  
Houston, Texas 77041  
Houston 713.856.6010  
Singapore 65.6.545.3885  
Aberdeen, UK 44.1224.351800

[www.helixesg.com](http://www.helixesg.com)