



Remotely Operated Vehicle

SRI's ROV system is a unique underwater science, survey, and port security tool that has demonstrated outstanding performance in high resolution 3D digital imaging, geological and biological sampling, zero visibility operation and high reliability. SRI's ROV features fiber optic communications, ample subsea power, 200 pounds of reserve buoyancy and great stability to support a variety of sensor payloads. These features also allow quick and easy integration of customer provided payloads.

Configurable for Specific Surveys

- **Mapping** - Survey quality inertial navigation, high resolution 3D and imaging sonars
- **Port Security** - Custom designed to survey ship hulls while at sea and perform mine countermeasures
- **Science** - Habitat characterization, chemical sensing, fisheries surveys
- **Emergency Response Operations** - The system's high mobility and advanced capability provides for rapid mobilization and fast transit in emergency situations.

Specifications

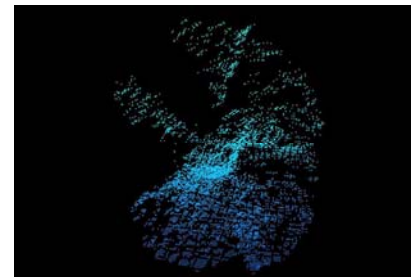
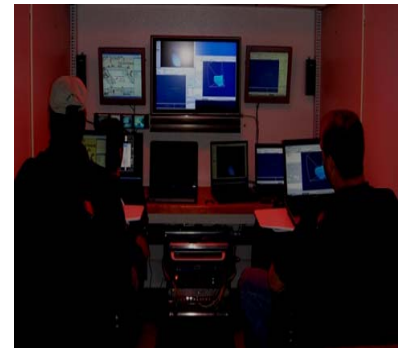
- **Depth Rating:** 300 meters with 1000 meter option
- **Navigation:** INS—Kearfott T16
USBL and DVL aided
GPS for initial fix
- **Payload:** up to 150 lbs
- **Weight:** 1100 lbs in air
- **Sub Sea Power:** 800W of 12 or 24 VDC with 120AC available
- **Dimensions:** 66" long x 35" wide x 45" tall
- **Comms:** Fiber to surface. Ethernet and RS232/485 subsea
- **Launch & Recovery System:** Crane or A-frame

Sensors / Tools

- High resolution 3D acoustic and laser mapping
- High resolution 2D imaging
- Low light video
- Data collection and storage module
- Zooplankton imaging and identification
- In-situ quantitative Mass Spectrometry
- Elemental Analysis (Fe, Cu, O2, pH, more)

At Sea Operations

SRI's ROV has been operated world wide and can be operated with or without its 20' shipping container / command and control center. A 3-person crew is recommended for a 10–12 hour day (longer operational hours are available). Operating personnel are provided by SRI International, Inc.



CONTACT US

For more information, contact Larry Langebrake at larry.langebrake@sri.com.

SRI International
450 8th Ave SE
St. Petersburg, FL 33701
727.498-6800

www.sri.com