

# ON&T

Ocean News & Technology

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A MARINE INDUSTRY DIRECTORY OF

# UNMANNED VEHICLES

*Mid Year Update*

# 2017 BUYERS' GUIDE

CONNECTING A WORLD OF INDUSTRY PROFESSIONALS



## CONFIDENCE UNDERWATER

Your success drives everything we do. That's why we've engineered every aspect of our ROV systems with you in mind. VideoRay offers affordable, reliable, and robust ROV systems that get the job done right the first time. There's a reason why more customers have chosen VideoRay inspection class ROVs than any other ROV solution on the market. From our unparalleled customer service to our innovative training programs, VideoRay gives you confidence underwater.



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# Great Discoveries Need Reliable Tools

Rugged, reliable, field proven  
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- Unmanned Surface Vehicles (USVs)
- Remotely Operated Vehicles (ROVs)
- Autonomous Underwater Vehicles (AUVs)
- Autonomous Gliders
- Profiling Floats
- Towed Survey Vehicles

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# 2017 Unmanned Vehicles Buyers Guide

## Mid-Year Update

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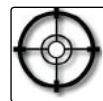
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Throughout the Product and Operator sections of this directory, markets served are identified by unique symbols

### Legend for Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

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## FOCUS ON THE TOUGH STUFF

CARIS Onboard™ automates many of the standard processing steps required in a modern hydrographic survey that not only reduces subjectivity but allows your skilled staff to work on the most important tasks. With the ever expanding volume of data being collected at higher resolutions CARIS Onboard will reduce your data Ping-to-Chart™ timeline.

Built on decades of hydrographic data processing expertise and supported by the highly scalable CSAR framework, CARIS Onboard enables users to process data in near real-time resulting in minimized data conversion and processing times. Designed with autonomous operations in mind, CARIS Onboard will save valuable time so you can focus on the tough stuff.

Contact us about deploying CARIS Onboard on your survey platform.

# Unmanned Vehicles, Going Forward

## - Industry experts look to the future

### AUV and ROV Forecast

- By: Douglas-Westwood

AUVs are on their way. With vast scope for their application, autonomous underwater vehicles are finally gaining pace in the commercial sector. The technology, which has its origins in military activities such as mine counter-measure and rapid environmental assessment (MC & REA), also has a strong presence in research activities, from research mapping to environmental sensing. In fact, the military and research sectors have strong links which enable collaboration and, therefore, some units can be used across the sectors. The two sectors currently form 97% of AUV demand. However, Douglas-Westwood's Word AUV Market Report 2014-2018 forecasts an annual growth of 36% in the commercial sector, predominantly driven by deepwater oil & gas activities, expanding the share of the total market from 3% in 2014 to 8% in 2018.

The increased economic challenges of deepwater oil & gas developments lead to a desire to introduce cost-effective approaches. AUVs have proved to be an optimum cost-effective solution for surveys and inspections, as opposed to the higher costs of vessel-based activities. Factors include operation and time costs, and reducing direct human involvement in activities in high risk environments. Douglas-Westwood expects further increases in AUV use in deep waters and under-ice as an alternative to ROVs.

In Douglas-Westwood's World ROV Operations Market Forecast, annual expenditure on work-class ROV operations is expected to increase from \$1.6 billion (bn) in 2013 to \$2.4bn in 2017, a compound annual growth rate (CAGR) of 11.3%. The market is expected to total \$9.7bn over the period, a growth of 79% over the previous five years. Expenditure is forecast to increase more than operational days due to the move towards deeper waters and more complicated offshore field development programmes. These are demanding higher specification, higher cost ROVs to cater for their support needs.

Drilling support, of both exploration and appraisal (E&A) and subsea development (DV) wells, is the main ROV activity demand driver, accountable for 75% of the total expenditure between 2013 and 2017. Construction support accounts for 20% and repair and maintenance (R&M) for 4%. The largest regional market is expected to be Africa, with Latin America, North America and Asia also important players. The 'Golden Triangle', comprised of Brazil, the Gulf of Mexico and Africa, is forecast to account for the majority of global ROV demand, but Asia will see significant growth.

### USV and Gliders Forecast

- By: Unmanned Vehicle Systems Consulting, LLC

#### Unmanned Surface Vessels

It is estimated that over 600 USVs were manufactured over the last 10 years. Sales to date have been driven by the need for 'surface targets' where unmanned vessels are remotely controlled for targeting practice at sea.

Going forward, we can expect the oil & gas offshore market to start taking USVs seriously. Recently we have seen a joint venture between Schlumberger & Liquid Robotics announced. The scientific community's interest (public and private non-profit), and a robust service industry for hydrography are starting to take off. It is forecasted that the military will sustain its current pace of purchases. The security market is very volatile as linked to local conflicts, especially for maritime border and EEZ protection and surveillance.

Over the next 5 years, 350 vehicles are forecast to be manufactured and sold.

As a whole, the market for USV manufacturers is competitive, with many new companies seeking to develop improved designs, propulsion, and reliability. Liquid Robotics, with over \$75M raised, has educated many customers and the media about current USV abilities, resulting in many companies sailing on that wave.

#### Subsea Gliders

It is estimated that 500 gliders to date have been manufactured, with an order of approximately 150 by the U.S. government being the largest single purchase. Sales to date have been driven by government agencies requiring oceanographic services.

Going forward, a larger scientific community will turn to gliders for remote and insitu sensing of the ever-changing oceans. Offshore energy companies will use gliders through service operators, and the government oceanographic will use gliders for more sophisticated missions.

More countries are developing their own gliders, such as Russia, China, and Japan.

Over the next 5 years, 250 glider vehicles are forecast to be manufactured and sold. However volume purchases from oil & gas and the government make highly accurate predictions difficult with a large spread in numbers sold.

# **ROV**

# **Light Workclass**

## **Market Symbols**



Defence



Seabed  
Mining



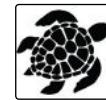
Offshore  
Oil & Gas



Science

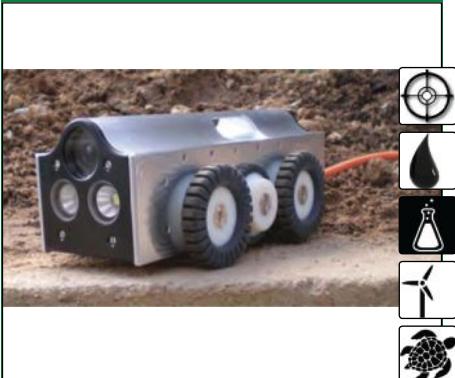


Ocean  
Renewables



Environmental

### AC-CESS Co UK Ltd.



#### AC-CELL 100

Power: Electric:      Hydraulic:

Size (m): LxWxH: **0.199 x 0.073 x 0.089**

In-Air Weight (kg): **1.65**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft:      Vertical (Lift):

Thrust Speed (kts):

Forward:      Lateral:      Vertical:

# of Thrusters: **NA**

Thruster Configuration: **NA**

Maximum Payload (kg): **NA**

Max Through Frame Lift: **NA**

Power Requirements: **300w**

Deployment System: **Hand**

Tether Management System: **No**

Standard Equipment:

Camera: **Color front / B&W rear**

Camera Platform:

Lighting: **2 x front / 1 x rear LED**

Navigation: **NA**

Manipulator: **NA**

Auto Functions: **NA**

Auxiliary Tooling Power: **NA**

Optional Equipment Available: **No**

Vehicle can be buyer customized:

View PDF:

Website: [www.ac-cess.com](http://www.ac-cess.com)

Contact: **John Morrison**

Email: [john.m@ac-cess.com](mailto:john.m@ac-cess.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Developed as a stand alone Remote Visual Inspection (RVI) tool, this small, wet or dry environment crawler is fully compatible with the industry proven AC-ROV 100 Underwater Inspection system.*

### AC-CESS Co UK Ltd.



#### AC-ROV 100

Power: Electric:       Hydraulic:

Size (m): LxWxH: **0.203 x 0.152 x 0.146**

In-Air Weight (kg): **3**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft:      Vertical (Lift):

Thrust Speed (kts):

Forward: **1.5**      Lateral: **1.5**      Vertical: **1**

# of Thrusters: **6**

Thruster Configuration: **vectored**

Maximum Payload (kg): **0.2**

Max Through Frame Lift: **NA**

Power Requirements: **300w**

Deployment System: **Hand**

Tether Management System: **Yes**

Standard Equipment:

Camera: **650tvl 0.1lux**

Camera Platform:

Lighting: **4 x camera tracking LEDs**

Navigation: **Yes - option**

Manipulator: **Yes - option**

Auto Functions: **3 axis trim**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.ac-cess.com](http://www.ac-cess.com)

Contact: **John Morrison**

Email: [john.m@ac-cess.com](mailto:john.m@ac-cess.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The world leading micro ROV, the AC-ROV is the most capable and portable underwater inspection system on the market. A complete system comes in one rugged waterproof hand carry case with an all up weight of just 18kg. It defines the "HAND CARRY" class in underwater inspection systems.*

### AC-CESS Co UK Ltd.



#### AC-ROV 3000

Power: Electric:       Hydraulic:

Size (m): LxWxH: **0.204 x 0.152 x 0.168**

In-Air Weight (kg): **3.6**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft:      Vertical (Lift):

Thrust Speed (kts):

Forward: **1.25**      Lateral: **1.25**      Vertical: **1**

# of Thrusters: **6**

Thruster Configuration: **vectored**

Maximum Payload (kg): **nil**

Max Through Frame Lift: **NA**

Power Requirements: **500w**

Deployment System: **TMS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **650 tvl 0.1lux**

Camera Platform:

Lighting: **2 x camera tracking LEDs**

Navigation:

Manipulator:

Auto Functions: **3 axis trim**

Auxiliary Tooling Power:

Optional Equipment Available: **No**

Vehicle can be buyer customized:

View PDF:

Website: [www.ac-cess.com](http://www.ac-cess.com)

Contact: **John Morrison**

Email: [john.m@ac-cess.com](mailto:john.m@ac-cess.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The AC-ROV 3000 is the first ever deep ocean micro ROV. To maximize its capability it comes fully packaged with a TMS allowing it to operate as a 3000m depth rated "Fly-Out" from many types and size of host submersibles.*

# ROVs . Light Workclass

## AQUABOTIX



### Endura 100

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.7x 0.37x 0.3**

In-Air Weight (kg): **6.8**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft:  Vertical (Lift):

Thrust Speed (kts):

Forward: **5** Lateral: **0.5** Vertical: **1**

# of Thrusters: **5**

Thruster Configuration: **2 forward, 3 hovering**

Maximum Payload (kg): **3**

Max Through Frame Lift:

Power Requirements: **lithium battery on board**

**(AC available)**

Deployment System: **n/a**

Tether Management System: **No**

Standard Equipment:

Camera: **1080 p HD Tilt Camera**

Camera Platform:

Lighting: **4400 lumen LED lighting**

Navigation: **available**

Manipulator: **available**

Auto Functions: **depth, heading, speed**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: <http://www.aquabotix.com/professional-rovers---endura.html>

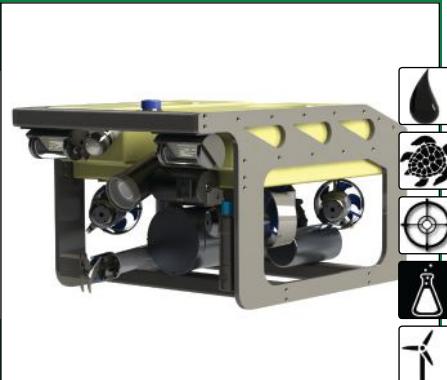
Contact: **Dawn Doraz**

Email: [sales@aquabotix.com](mailto:sales@aquabotix.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Endura 100 is one person deployable with a 100 m depth rating. It has 6 degree freedom of motion and is controlled via an intuitive PC or iPad application. Options include sonar and environmental sensors.

## Argus Remote Systems as



### Argus Mini

Power Electric:  Hydraulic:

Size (m): LxWxH: **0.9 x 0.65 x 0.5**

In-Air Weight (kg): **85**

Max Depth (m): **600**

Thrust Bollard Pull (kgf):

Forward/Aft: **40kg** Vertical (Lift): **30kg**

Thrust Speed (kts):

Forward: **2.5-3** Lateral: **2** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **5 (or custom)**

Max Through Frame Lift:

Power Requirements: **3kW**

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **2x130W LED, 23 000 Lumen**

Navigation: **Yes**

Manipulator: **Open/Close**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: Observation class ROV that can be fitted with an open/close manipulator.

## Argus Remote Systems as



### Argus Rover

Power Electric:  Hydraulic:

Size (m): LxWxH: **1.4 x 1 x 0.8**

In-Air Weight (kg): **450**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **90** Vertical (Lift): **60**

Thrust Speed (kts):

Forward: **2.5-3** Lateral: **2** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **15**

Max Through Frame Lift:

Power Requirements: **10kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **2 x 130W LED, 23 000 Lumen**

Navigation: **Yes**

Manipulator: **4 or 5F Manip**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: Observation class ROV that can do light work. Can be fitted with 1 or two manipulators for light work.

## CISCREA



## CISCREA



## CISCREA



### Mini ROV JACK 100meters

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.570 x 0.415 x 0.260**

In-Air Weight (kg): **15**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft: **2.3** Vertical (Lift): **1.4**

Thrust Speed (kts):

Forward: **2** Lateral: **2** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **vectored (5DOF)**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **Battery or 230VAC**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: +/- 40° Tilt / (Auto)Switch B/W - Color PAL

Camera Platform:

Lighting: **2 LED SPOT LIGHTS**

Navigation:

Manipulator: **Optional**

Auto Functions: **Depth / Heading**

Auxiliary Tooling Power: **12V**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.ciscrea.com](http://www.ciscrea.com)

Contact: **Sales**

Email: [sales@ciscrea.fr](mailto:sales@ciscrea.fr)

URL to Distributors/Dealers/Agents: **N/A**

Mfr Notes: Compact Mini ROV with embedded energy; vectored thruster architecture with true lateral motion; Modularity allowing easy add on of additional payload sensors/manipulator. Video enhancement optional. Control Panel with embedded batteries (3 standard battery packs available). Manual winch; Standard umbilical length 100M (floating and/or fiber-optic) optional.

### Mini ROV JACK 300meters

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.570 x 0.415 x 0.260**

In-Air Weight (kg): **15**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **2.3** Vertical (Lift): **1.4**

Thrust Speed (kts):

Forward: **2** Lateral: **2** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **vectored (5DOF)**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **Battery or 230VAC**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: +/- 40° Tilt / (Auto)Switch B/W - Color PAL

Camera Platform:

Lighting: **4 LED SPOT LIGHTS**

Navigation:

Manipulator: **Optional**

Auto Functions: **Depth / Heading**

Auxiliary Tooling Power: **12V**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.ciscrea.com](http://www.ciscrea.com)

Contact: **Sales**

Email: [sales@ciscrea.fr](mailto:sales@ciscrea.fr)

URL to Distributors/Dealers/Agents: **N/A**

Mfr Notes: Compact Mini ROV with embedded energy; vectored thruster architecture with true lateral motion; Modularity allowing easy add on of additional payload sensors/manipulator. Video enhancement optional. Control Panel with embedded batteries (3 standard battery packs available). Manual winch; Standard umbilical length 300M (floating and/or fiber-optic) option.

Power: Electric:  Hydraulic:

Size (m): LxWxH: **adjustable**

In-Air Weight (kg): **adjustable**

Max Depth (m): **adjustable**

Thrust Bollard Pull (kgf):

Forward/Aft: **2.3** Vertical (Lift): **1.4**

Thrust Speed (kts):

Forward: **2** Lateral: **2** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **vectored (5DOF)**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **Battery or 230VAC**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: +/- 40° Tilt / (Auto)Switch B/W - Color PAL

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.ciscrea.com](http://www.ciscrea.com)

Contact: **Sales**

Email: [sales@ciscrea.fr](mailto:sales@ciscrea.fr)

URL to Distributors/Dealers/Agents: **N/A**

Mfr Notes: ROV supplied for your own control & command program realization. We propose the Mini ROV platform JACK without the Control&Command Unit and offer interface box to connect the JACK to your PC. Some labs have successfully transformed the Mini ROV platform JACK to a Mini AUV/Hybrid ROV.

# ROVs

## Light Workclass

### Deep Trekker Inc.



#### DTG2 ROV-Starter, Pro, Smart, Worker Packages

Power Electric:  Hydraulic:

Size (m): LxWxH: **0.325 x 0.259 x 0.279**

In-Air Weight (kg): **8.5**

Max Depth (m): **125**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **2.5** Lateral: N/A Vertical: **2.5**

# of Thrusters: **2**

Thruster Configuration: **Patented Pitching System**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **on-board batteries**

Deployment System: **Deploy in 30 sec. with 1 person**

Tether Management System: **No**

Standard Equipment:

Camera: **Low Light, High Colour Resolution**

Camera Platform: **Tilt 270 degrees**

Lighting: **LED Floodlights**

Navigation: **USBL optional, auto-heading, auto-depth**

Manipulator: **2 Function, 360 degree rotation, open/close function**

Auto Functions: **Heading and Depth**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.deptrekker.com](http://www.deptrekker.com)

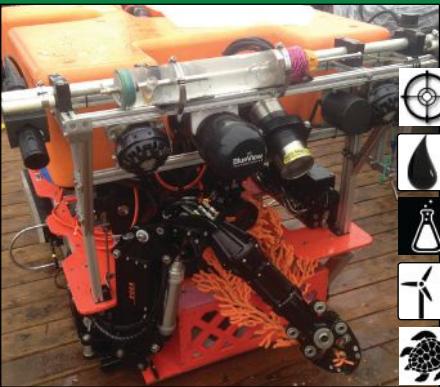
Contact: **Deep Trekker Sales**

Email: [sales@deptrekker.com](mailto:sales@deptrekker.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Fully portable, affordable, and easy to use remotely operated vehicles. Deep Trekker gives you eyes in the water in 30 seconds for quality and efficient inspections.

### DOER Marine



#### H2000

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 0.99 x 0.965**

In-Air Weight (kg): **406**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: **148.32** Vertical (Lift): **84.82**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 quad/2 vertrans**

Maximum Payload (kg): **72.5**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **3 video channels HD capable**

Camera Platform: **tilt w/ pan & tilt option**

Lighting: **4 with 2 more optional**

Navigation: **TCM-2 compass**

Manipulator: **Sea Mantis Five Function**

Auto Functions: **depth/heading**

Auxiliary Tooling Power: **yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.doermarine.com](http://www.doermarine.com)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes: Very compact and robust system that can operate from smaller work and research vessels. 1000m option available too. 7.5 to 20 hp options. Customizable.

### DWTEK CO., LTD



#### Coral Discovery-TZ

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1 x 0.59 x 0.45**

In-Air Weight (kg): **70**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **43** Vertical (Lift): **24**

Thrust Speed (kts):

Forward: **<3** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal, 2 vertical**

Maximum Payload (kg): **≤ 10**

Max Through Frame Lift: **N/A**

Power Requirements: **Single Phase 190-250VAC at 3KW, 50-60Hz**

Deployment System: **Directly from surface/ Crane**

Tether Management System: **No**

Standard Equipment:

Camera: **Zoom color SD camera**

Camera Platform: **Tilt**

Lighting: **150W LED X2, more options**

Navigation: **Pressure/Gyro/Compass/ (opt.) Sonar**

Manipulator: **Hydrolic on skid**

Auto Functions: **Depth, Heading, (opt.) Altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [dwtekmarine.com](http://dwtekmarine.com)

Contact:

Email: [info@dwtek.com.tw](mailto:info@dwtek.com.tw)

URL to Distributors/Dealers/Agents:

Mfr Notes: Suitable for Port & Harbor Security, Search & Rescue Operations, Real-time Submerged Monitoring, Pipe & Cable Tracking, Scientific Task & Surveys, Dam & Tunnel Inspections, Offshore oil & Gas, and Renewable Energy Search

## DWTEK CO., LTD



### Investigator 90 (I-90)

Power: Electric:      Hydraulic:

Size (m): LxWxH: **1.1 x 0.7 x 0.54**

In-Air Weight (kg): **132**

Max Depth (m): **500 (1,000m optional)**

Thrust Bollard Pull (kgf):

Forward/Aft: **69**      Vertical (Lift): **38**

Thrust Speed (kts):

Forward: < **4**      Lateral:      Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal, 2 vertical**

Maximum Payload (kg): **≤ 27**

Max Through Frame Lift: **N/A**

Power Requirements: **Single Phase 190-250 VAC at**

**6kW, 50-60Hz**

Deployment System: **LARS/Crane/Winch**

Tether Management System: **No**

Standard Equipment:

Camera: **Full HD color camera / User defined**

Camera Platform: **Tilt**

Lighting: **150W LED X2, more options**

Navigation: **Pressure/Gyro/Compass/ (opt.) Sonar & DVL**

Manipulator: **Hydrolic on skid**

Auto Functions: **Depth, Heading, (opt.) Altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

[Website:](#) **dwtekmarine.com**

Contact:

Email: [info@dwtek.com.tw](mailto:info@dwtek.com.tw)

URL to Distributors/Dealers/Agents:

Mfr Notes: Suitable for Port & Harbor Security, Search & Rescue Operations, Real-time Submerged Monitoring, Pipe & Cable Tracking, Scientific Task & Surveys, Dam & Tunnel Inspections, Offshore oil & Gas, and Renewable Energy Search.

## ECA GROUP



### H300 MkII : Inspection ROV

● Power: Electric:       Hydraulic:

Size (m): LxWxH: **0.89 x 0.6 x 0.47**

In-Air Weight (kg): **83**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **34**      Vertical (Lift): **17**

Thrust Speed (kts):

Forward: **3.5**      Lateral: **1.7**      Vertical: **1.5**

# of Thrusters: **4**

Thruster Configuration: **2xH, 1xV, 1xLateral**

Maximum Payload (kg): **8 + 7 kg by additional buoyancy**

Max Through Frame Lift: **N/A**

Power Requirements: **3.9 KVA**

Deployment System: **direct from surface**

Tether Management System: **No**

Standard Equipment:

Camera: **zoom color + low light B/W**

Camera Platform: **colour : mounted on a P/T**

Lighting: **4x LED lights of 4000 lm each**

Navigation: **sonar & low light camera**

Manipulator: **electric or hydraulic on skid**

Auto Functions: **depth, heading, altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

[Website:](#) **www.ecagroup.com/en/solutions/h300-mk2**

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: ECA Group developed its H300 MK2 Observation Class ROV system for the intervention up to 300m depth. Modular and easily configured according to your needs thanks to a wide range of sonar, manipulator arms and tools, and any type of sensors.

## ENITECH



### ERNO UD observation class

● Power: Electric:       Hydraulic:

Size (m): LxWxH: **1.1 x 0.75 x 0.8**

In-Air Weight (kg): **450**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: **35**      Vertical (Lift): **35**

Thrust Speed (kts):

Forward: **3**      Lateral:      Vertical: **2**

# of Thrusters: **4 electric**

Thruster Configuration: **2 horizontal, 2 vertical**

Maximum Payload (kg): **5**

Max Through Frame Lift: **1,000**

Power Requirements: **3.5 kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **1 HD camera, 2 PAL**

Camera Platform: **tilted**

Lighting: **3x 50W LED**

Navigation: **Sonar, Camera, IMU**

Manipulator:

Auto Functions: **depth, heading, altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

[Website:](#) **www.enitech.de**

Contact:

Email: [sales@enitech.de](mailto:sales@enitech.de)

URL to Distributors/Dealers/Agents:

Mfr Notes: Observation Class ROV, operational up to 6,000 m with Tether Management System. Launch and recovery by simple single-core cable may already installed on ship. Minimal logistic requirements for 6,000m operation.

# ROVs Light Workclass

## Forum Subsea Technologies



### Sub-Atlantic Comanche

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.1 x 1.3 x 1.25**

In-Air Weight (kg): **1130**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: **294@30 degree** Vertical (Lift): **225**

Thrust Speed (kts):

Forward: **3** Lateral: **2.5** Vertical: **1.5**

# of Thrusters: **7**

Thruster Configuration: **4 (lateral) x 3 (vertical)**

Maximum Payload (kg): **285**

Max Through Frame Lift: **225kg**

Power Requirements: **35kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **15kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.f-e-t.com/subsea](http://www.f-e-t.com/subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include DOF Subsea, Bibby Offshore, Oceanteam 2000, Bluestream, Oceaneering, IKM, Neptune PT Advanced Offshore

## Forum Subsea Technologies



### Sub-Atlantic Mohawk

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.93 x 0.77 x 0.62**

In-Air Weight (kg): **165**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: **80** Vertical (Lift): **30**

Thrust Speed (kts):

Forward: **3** Lateral: **2.5** Vertical: **1.5**

# of Thrusters: **5**

Thruster Configuration: **4 (lateral) x 1 (vertical)**

Maximum Payload (kg): **35**

Max Through Frame Lift: **140kg**

Power Requirements: **7kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **1.3kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.f-e-t.com/subsea](http://www.f-e-t.com/subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include DOF Subsea, Casco Antiguo, PT Newmont, Coretech, Searov, Abyss, DPS, Halul, China ORE, PT Advanced Offshore

## Forum Subsea Technologies



### Sub-Atlantic Mohican

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.15 x 0.77 x 0.8**

In-Air Weight (kg): **340**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **110** Vertical (Lift): **75**

Thrust Speed (kts):

Forward: **3.5** Lateral: **3.5** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **4 (lateral) x 2 (vertical)**

Maximum Payload (kg): **35**

Max Through Frame Lift: **100kg**

Power Requirements: **15kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **4kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.f-e-t.com/subsea](http://www.f-e-t.com/subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include MMT, DOF Subsea, Seatrepid, IKM, Innova, ASI, Innova/Abyss Mostrello

## Forum Subsea Technologies



## Forum Subsea Technologies



## Inuktun Services Ltd.



### Sub-Atlantic Mojave

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1 x 0.6 x 0.5**

In-Air Weight (kg): **85**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **53** Vertical (Lift): **26**

Thrust Speed (kts):

Forward: **4** Lateral: **3** Vertical: **1.5**

# of Thrusters: **5**

Thruster Configuration: **4 (lateral) x 1 (vertical)**

Maximum Payload (kg): **12**

Max Through Frame Lift: **TBC**

Power Requirements: **4kW**

Deployment System: **Crane/Winch**

Tether Management System: **No**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **1.3kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.f-e-t.com/subsea](http://www.f-e-t.com/subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include Oceaneering, Cummings, Broadsea ROV, FPSS, Marine Innotech, Blue Water

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.4 x 0.9 x 0.85**

In-Air Weight (kg): **395**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **110** Vertical (Lift): **45**

Thrust Speed (kts):

Forward: **3** Lateral: **1.5** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **4 (lateral) x 2 (vertical)**

Maximum Payload (kg): **90**

Max Through Frame Lift: **140kg**

Power Requirements: **15kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **TBC (at least 4kW)**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.f-e-t.com/subsea](http://www.f-e-t.com/subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include PDVSA, Seatrax, NOAA/NMFS

### Versatrax 100™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): **9**

Max Depth (m): **30**

Thrust Bollard Pull (kgf):

Forward/Aft: **Vertical (Lift):**

Thrust Speed (kts):

Forward: **Lateral: Vertical:**

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **115/230 VAC, 550W**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **Spectrum 45™**

Camera Platform:

Lighting: **High intensity LEDs**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <http://inuktun.com/crawler-vehicles/versatrax-100.htm>

Contact: **Jeff Christopherson**

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

Mfr Notes: The Versatrax 100™ is a precise, portable crawler system for operation in pipes as small as 4in/100mm. This easy-to-use remote inspection system penetrates up to 600ft/183m and overcomes obstacles and offset joints. The whole system fits in a small vehicle and can be checked in as airline luggage.

# ROVs Light Workclass

## Inuktun Services Ltd.



### Versatrax 100 MicroMag™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): 9

Max Depth (m): 30

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): 10.8

Max Through Frame Lift:

Power Requirements: 115/230VAC, 550W

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: Spectrum 45™

Camera Platform:

Lighting: High intensity LEDs

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://inuktun.com/crawler-vehicles/versatrax-100-micromag.html>

Contact: Jeff Christopherson

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

**Mfr Notes:** The Versatrax 100™ is a precise, portable crawler for operation in pipes as small as 4in/100mm. The easy-to-use inspection system penetrates up to 600ft/183m and overcomes obstacles and offset joints. The whole system fits in a vehicle and can be checked in as an airline luggage.

## Inuktun Services Ltd.



### Versatrax 150™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): 40

Max Depth (m): 60

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): 92

Max Through Frame Lift:

Power Requirements: 115/230VAC, 800W

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: Spectrum 90™

Camera Platform:

Lighting: High intensity LEDs

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://inuktun.com/crawler-vehicles/versatrax-150.html>

Contact: Jeff Christopherson

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

**Mfr Notes:** Submerged or on land, our Versatrax 150™ systems are able to operate in pipe diameters from 6in/150mm and greater with the chassis optimized in a matter of seconds. Modular design, precise controls and ease of operation deliver power and reliability that can be tailored to meet your specific inspection requirements.

## Inuktun Services Ltd.



### Versatrax 300™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): 104

Max Depth (m): 60

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): 181

Max Through Frame Lift:

Power Requirements: 220VAC, 5500W

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: Spectrum 90™

Camera Platform:

Lighting: High intensity LEDs

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://inuktun.com/crawler-vehicles/versatrax-300.html>

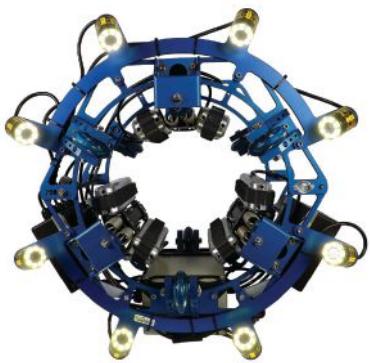
Contact: Jeff Christopherson

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

**Mfr Notes:** The Versatrax 300™ is the solution to long range pipe inspection challenges. Able to inspect more than two kilometers in a single run, the versatile and customizable VT300 includes three onboard video cameras, multiple sensor options, and is operable in pipe as small as 12in/300mm internal diameter.

## Inuktun Services Ltd.



### Versatrax MicroClimber™

**Power:** Electric:  Hydraulic: \_\_\_\_\_  
**Size (m):** LxWxH: \_\_\_\_\_  
**In-Air Weight (kg):** **18**  
**Max Depth (m):** **3000**  
**Thrust Bollard Pull (kgf):**  
 Forward/Aft: \_\_\_\_\_ Vertical (Lift): \_\_\_\_\_  
**Thrust Speed (kts):**  
 Forward: \_\_\_\_\_ Lateral: \_\_\_\_\_ Vertical: \_\_\_\_\_  
**# of Thrusters:** \_\_\_\_\_  
**Thruster Configuration:** \_\_\_\_\_  
**Maximum Payload (kg):** **41**  
**Max Through Frame Lift:** \_\_\_\_\_  
**Power Requirements:** **120/240VAC, 500W**  
**Deployment System:** \_\_\_\_\_  
**Tether Management System:** **Yes**  
**Standard Equipment:**  
 Camera: **Crystal Cam®**  
 Camera Platform: \_\_\_\_\_  
 Lighting: **Embedded LED lighting**  
 Navigation: \_\_\_\_\_  
 Manipulator: \_\_\_\_\_  
 Auto Functions: \_\_\_\_\_  
 Auxiliary Tooling Power: \_\_\_\_\_  
**Optional Equipment Available:** **Yes**  
 Vehicle can be buyer customized: **Yes**  
 View PDF:   
 Website: <http://inuktun.com/crawler-vehicles/versatrax-microclimber.html>  
 Contact: **Jeff Christopherson**  
 Email: [sales@inuktun.com](mailto:sales@inuktun.com)  
 URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

**Mfr Notes:** The Versatrax MicroClimber™ is a remotely operated vehicle designed to climb on almost any cylindrical structure. The vehicle is capable of crawling on pilings, pipe, rope, anchor lines or guy-wires while performing various tasks. The system includes eight cameras for visual inspection and can be adapted for sensors and tools.

## Inuktun Services Ltd.



### Versatrax Vertical Crawler™

**Power:** Electric:  Hydraulic: \_\_\_\_\_  
**Size (m):** LxWxH: \_\_\_\_\_  
**In-Air Weight (kg):** **10**  
**Max Depth (m):** \_\_\_\_\_  
**Thrust Bollard Pull (kgf):**  
 Forward/Aft: \_\_\_\_\_ Vertical (Lift): \_\_\_\_\_  
**Thrust Speed (kts):**  
 Forward: \_\_\_\_\_ Lateral: \_\_\_\_\_ Vertical: \_\_\_\_\_  
**# of Thrusters:** \_\_\_\_\_  
**Thruster Configuration:** \_\_\_\_\_  
**Maximum Payload (kg):** **27**  
**Max Through Frame Lift:** \_\_\_\_\_  
**Power Requirements:** **115/230VAC, 600W**  
**Deployment System:** \_\_\_\_\_  
**Tether Management System:** **Yes**  
**Standard Equipment:**  
 Camera: **Spectrum 45™**  
 Camera Platform: \_\_\_\_\_  
 Lighting: **High intensity LEDs**  
 Navigation: \_\_\_\_\_  
 Manipulator: \_\_\_\_\_  
 Auto Functions: \_\_\_\_\_  
 Auxiliary Tooling Power: \_\_\_\_\_  
**Optional Equipment Available:** **Yes**  
 Vehicle can be buyer customized: **Yes**  
 View PDF:   
 Website: <http://inuktun.com/crawler-vehicles/versatrax-vertical-crawler.html>  
 Contact: **Jeff Christopherson**  
 Email: [sales@inuktun.com](mailto:sales@inuktun.com)  
 URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

**Mfr Notes:** The Versatrax Vertical Crawler™ can perform difficult inspections in virtually any orientation. Independent control of each track allows vehicle to easily navigate over distances up to 600ft/183m. Constructed of marine grade anodized aluminum and stainless steel, this ROV is extremely durable and fully submersible for underwater applications.

## ISE



### Trailblazer ROV

**Power:** Electric:  Hydraulic: \_\_\_\_\_  
**Size (m):** LxWxH: **2.5 x 1 x 1**  
**In-Air Weight (kg):** **700**  
**Max Depth (m):** **300 - 1500**  
**Thrust Bollard Pull (kgf):**  
 Forward/Aft: \_\_\_\_\_ Vertical (Lift): \_\_\_\_\_  
**Thrust Speed (kts):**  
 Forward: \_\_\_\_\_ Lateral: \_\_\_\_\_ Vertical: \_\_\_\_\_  
**# of Thrusters:** \_\_\_\_\_  
**Thruster Configuration:** **Multiple**  
**Maximum Payload (kg):** **88**  
**Max Through Frame Lift:** \_\_\_\_\_  
**Power Requirements:** **25 HP (30 & 50 HP models avail.)**  
**Deployment System:** **Multiple**  
**Tether Management System:** **Yes**  
**Standard Equipment:**  
 Camera: **1 wide angle / low level SIT camera, 1 colour camera with zoom lens**  
 Camera Platform: \_\_\_\_\_  
 Lighting: **Four 250 W lights w. variable intensity (4 levels)**  
 Navigation: **Flux Gate Compass, Imagenex Sonar**  
 Manipulator: **Optional 3 function manipulator**  
 Auto Functions: \_\_\_\_\_  
 Auxiliary Tooling Power: \_\_\_\_\_  
**Optional Equipment Available:** **Yes**  
 Vehicle can be buyer customized: **Yes**  
 View PDF:   
 Website: [www.ise.bc.ca](http://www.ise.bc.ca)  
 Contact: **Linda Mackay**  
 Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)  
 URL to Distributors/Dealers/Agents: \_\_\_\_\_

**Mfr Notes:** The Trailblazer is a lightweight, highly maneuverable solution to mine detection, survey, recovery and disposal requirements. It is equipped with a high power propulsion system to allow it to operate in ports and estuaries as well as the open ocean.

# ROVs Light Workclass

## JW Fishers Mfg. Inc.



### SeaLion-2 ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH: 0.6 x 0.4 x 0.3

In-Air Weight (kg): 20

Max Depth (m): 300

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: 4      Lateral: 2      Vertical: 2

# of Thrusters: 4

Thruster Configuration: 2 horizontal, 2 vert.

Maximum Payload (kg): 3

Max Through Frame Lift:

Power Requirements: 120 VAC

Deployment System: manual

Tether Management System: optional

Standard Equipment:

Camera: (2) - high res color front & rear

Camera Platform: pan & tilt

Lighting: Two 2200 lumen LED on front

Navigation: digital compass

Manipulator: single function

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: [www.jwfishers.com](http://www.jwfishers.com)

Contact: Christopher Combs

Email: [info@jwfishers.com](mailto:info@jwfishers.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: For over 40 years JW Fishers has specialized in the design and manufacture of underwater search equipment. Their product line includes underwater metal detectors, cable trackers, pipe trackers, video systems, lights, magnetometers, sonars, ROVs, and pingers. Fishers ROVs are in use by commercial diving companies, universities, police & military worldwide.

## JW Fishers Mfg. Inc.



### SeaOtter-2 ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH: 0.6 x 0.4 x 0.3

In-Air Weight (kg): 20

Max Depth (m): 150

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: 3      Lateral: 1.5      Vertical: 1.5

# of Thrusters: 4

Thruster Configuration: 2 horizontal, 2 vert.

Maximum Payload (kg): 3

Max Through Frame Lift:

Power Requirements: 120 VAC

Deployment System: manual

Tether Management System: optional

Standard Equipment:

Camera: (2) - high res color front & rear

Camera Platform: pan & tilt

Lighting: Two 2200 lumen LED on front

Navigation: digital compass

Manipulator: single function

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: [www.jwfishers.com](http://www.jwfishers.com)

Contact: Christopher Combs

Email: [info@jwfishers.com](mailto:info@jwfishers.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: For over 40 years JW Fishers has specialized in the design and manufacture of underwater search equipment. Their product line includes underwater metal detectors, cable trackers, pipe trackers, video systems, lights, magnetometers, sonars, ROVs, and pingers. Fishers ROVs are in use by commercial diving companies, universities, police & military worldwide.

## Mariner Underwater Electronics



### IPPODAMUS

Power: Electric:  Hydraulic:

Size (m): LxWxH: 1.050 x 0.58 x 0.57

In-Air Weight (kg): 75

Max Depth (m): 750

Thrust Bollard Pull (kgf):

Forward/Aft: 32      Vertical (Lift): 16

Thrust Speed (kts):

Forward: 2,5      Lateral: 2      Vertical: 2

# of Thrusters: 4

Thruster Configuration: Brushless

Maximum Payload (kg): 15

Max Through Frame Lift:

Power Requirements: 110-240 VAC/3,5 KW

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: 2 X Hi Resolution Color, Laser

Camera Platform: Tilt, PAL / NTSC

Lighting: 3 X 1400 LUMEN LED

Navigation: Compass

Manipulator: Optional (5 functions)

Auto Functions: Auto Depth

Auxiliary Tooling Power: Optional

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.mariner.gr](http://www.mariner.gr)

Contact: Marinos Pittas

Email: [marhge@otenet.gr](mailto:marhge@otenet.gr)

URL to Distributors/Dealers/Agents:

Mfr Notes: Our R.O.V.s can be customized and be equipped with a great variety of accessories and tools, according to buyer's needs

## Outland Technology



### ROV 1000



Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.65 x 0.37 x 0.26**

In-Air Weight (kg): **17.7**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **15.8/6.4** Vertical (Lift): **3.2**

Thrust Speed (kts):

Forward: **3** Lateral: **1** Vertical: **1**

# of Thrusters: **4**

Thruster Configuration: **Vert/Lat/2 Hor**

Maximum Payload (kg): **3**

Max Through Frame Lift:

Power Requirements: **1800 Watts @ 110/220 VAC**

**50-60Hzr**

Deployment System: **Hand**

Tether Management System: **No**

Standard Equipment:

Camera: **360° Tilt & Fixed Rear**

Camera Platform: **750 Line .001 Lux**

Lighting: **2 ea. 4300 Lumen LED**

Navigation: **Compass/Gyro**

Manipulator: **Single Function**

Auto Functions: **Depth & Heading**

Auxiliary Tooling Power: **300VDC 500W**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.outlandtech.com](http://www.outlandtech.com)

Contact: **Jeffrey Mayfield**

Email: [jeff@outlandtech.com](mailto:jeff@outlandtech.com)

URL to Distributors/Dealers/Agents: <http://www.outlandtech.com/contact.ph>

Mfr Notes: *Brushless DC, Magnetically Coupled Thrusters. Easy deployment and operation. All digital control of camera, lights, thrusters and grabber.*

## Outland Technology



### ROV 2000

## QinetiQ North America



### Sabretooth (small hull crawler)

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.254 x 0.177 x 0.102**

In-Air Weight (kg): **5.9**

Max Depth (m): **61**

Thrust Bollard Pull (kgf):

Forward/Aft: \_\_\_\_\_ Vertical (Lift): \_\_\_\_\_

Thrust Speed (kts):

Forward: \_\_\_\_\_ Lateral: \_\_\_\_\_ Vertical: \_\_\_\_\_

# of Thrusters: **N/A**

Thruster Configuration: **N/A**

Maximum Payload (kg): **22.7 in tow**

Max Through Frame Lift:

Power Requirements: **800W max at 120V**

Deployment System: **UV or manual**

Tether Management System: **No**

Standard Equipment:

Camera: **B&W board camera**

Camera Platform: **Mast and pivot**

Lighting: **Optional**

Navigation: **Encoders (IMU optional)**

Manipulator: **N/A**

Auto Functions: **vehicle control and obstacle avoidance**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.qinetiq-na.com/products/unmanned-systems/hull-crawlers/](http://www.qinetiq-na.com/products/unmanned-systems/hull-crawlers/)

Contact: **Ken Heller**

Email: [ken.heller@qinetiq-na.com](mailto:ken.heller@qinetiq-na.com)

URL to Distributors/Dealers/Agents:

[www.QinetiQ-NA.com](http://www.QinetiQ-NA.com)

Mfr Notes: *Small ferro-magnetic hull crawler with semi-autonomous capabilities including obstacle avoidance and vehicle positioning. Crawling speeds from 0.3-3.0 m/min. Capable of hull inspection, surveillance or non-destructive testing*

# ROVs Light Workclass

## Rovotics



### Shark G2R

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.1 x 0.75 x 0.75**

In-Air Weight (kg): **160**

Max Depth (m): **1500**

Thrust Bollard Pull (kgf):

Forward/Aft: **80/70** Vertical (Lift): **50**

Thrust Speed (kts):

Forward: **73** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **vectored**

Maximum Payload (kg): **35**

Max Through Frame Lift:

Power Requirements: **380-475 3ph**

Deployment System: **A-Frame**

Tether Management System: **Yes**

Standard Equipment:

Camera: **2x high resolution cameras**

Camera Platform: **Tilt**

Lighting: **3x 5000 Lm LED lights**

Navigation: **+/- 1 degree accuracy, loc.m depth**

Manipulator: **4 Function**

Auto Functions: **Auto Depth**

Auxiliary Tooling Power: **24v/ 10A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF: [View PDF](#)

Website: [www.rovotics.ae/](http://www.rovotics.ae/)

Contact: [Tamer El Essawy](mailto:Tamer_El_Essawy@rovotics.ae)

Email: [enquiries@rovotics.ae](mailto:enquiries@rovotics.ae)

URL to Distributors/Dealers/Agents: **X**

Mfr Notes:

## Saab Seaeye Ltd



### Cougar

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.515 x 1 x 0.790**

In-Air Weight (kg): **409**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: **170** Vertical (Lift): **110**

Thrust Speed (kts):

Forward: **3.2** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal and 6 vertical brushless SM7 500 Volt DC**

Maximum Payload (kg): **80**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC 50-60 Hz**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera:

Camera Platform:

Lighting: **Four LED lamps**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

View PDF: [View PDF](#)

Website: [www.seaeye.com/cougar-xt.html](http://www.seaeye.com/cougar-xt.html)

Contact: [James Douglas](mailto:James_Douglas@seaeye.com)

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Saab Seaeye Ltd



### Falcon

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1 x 0.6 x 0.5**

In-Air Weight (kg): **60**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **50** Vertical (Lift): **13**

Thrust Speed (kts):

Forward: > **3** Lateral: Vertical:

# of Thrusters: **5**

Thruster Configuration: **4 vectored and 1 vertical**

Maximum Payload (kg): **14**

Max Through Frame Lift:

Power Requirements: **Single phase 100-270 VAC at 2.8 kW**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **high resolution fixed focus colour camera**

Camera Platform:

Lighting: **Tilting variable intensity LED**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.seaeye.com/falcon.html](http://www.seaeye.com/falcon.html)

Contact: [James Douglas](mailto:James_Douglas@seaeye.com)

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

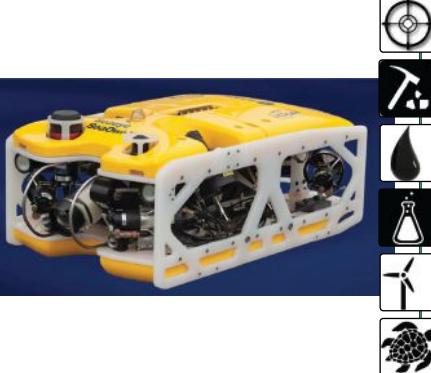
## Saab Seaeye Ltd



## Saab Seaeye Ltd



## Saab Seaeye Ltd



### Falcon DR

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.055 x 0.6 x 0.635**

In-Air Weight (kg): **100**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **50** Vertical (Lift): **13**

Thrust Speed (kts):

Forward: > **3** Lateral: Vertical:

# of Thrusters: **5**

Thruster Configuration: **4 vectored and 1 vertical**

Maximum Payload (kg): **15**

Max Through Frame Lift:

Power Requirements: **Single phase 100-270 VAC at 2.8 kW**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **high resolution fixed focus colour camera**

Camera Platform:

Lighting: **Tilting variable intensity LED**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/falcon.html](http://www.seaeye.com/falcon.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

### Lynx

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.23 x 0.605 x 0.815**

In-Air Weight (kg): **200**

Max Depth (m): **1500**

Thrust Bollard Pull (kgf):

Forward/Aft: **66** Vertical (Lift): **43**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): **34**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting: **4 Long-life LED lamps**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/lynx.html](http://www.seaeye.com/lynx.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

### Sea Owl

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.38 x 0.815 x 0.56**

In-Air Weight (kg): **260**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: **66** Vertical (Lift): **60**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **f4 vectored horizontal/lateral, 3 vertical**

Maximum Payload (kg): **30**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/](http://www.seaeye.com/)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

# ROVs Light Workclass

## Saab Seaeye Ltd



**Tiger**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.03 x 0.7 x 0.59**

In-Air Weight (kg): **150**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **62** Vertical (Lift): **22**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): **32**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting: **2 Long-life LED lamps**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: [www.seaeye.com/tiger.html](http://www.seaeye.com/tiger.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Seatronics



**Predator ROV II**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.95 x 0.63 x 0.6**

In-Air Weight (kg): **80**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **45** Vertical (Lift): **10**

Thrust Speed (kts):

Forward: **4.05** Lateral: **2.0** Vertical: **1.0**

# of Thrusters: **5**

Thruster Configuration: **4 forward, 1 vertical**

Maximum Payload (kg): **10**

Max Through Frame Lift: **N/A**

Power Requirements: **Electric 220-240 VDC**

Deployment System: **Yes, Live Boot**

Tether Management System: **Neutrally Buoyant**

Kevlar Armoured

Standard Equipment:

Camera: **low light, fixed focus, wide angle colour/mono-chrome**

Camera Platform:

Lighting: **LED dimmable**

Navigation:

Manipulator: **Optional grabber**

Auto Functions: **Depth/ Altitude/ Heading**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: [www.predator-rov.com](http://www.predator-rov.com)

Contact: **Stuart Macrae**

Email: [stuart.macrae@seatronics-group.com](mailto:stuart.macrae@seatronics-group.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: This ROV is a new 300m rated inspection class ROV, which has been developed to meet the demanding markets for a rugged and reliable underwater viewing system. It uses the latest technology designs to ensure high reliability and max. operating efficiency in marine operations. Reliability has always been foremost in the development of the ROV package.

## SeaView Systems, Inc.



**TITAN**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.1x1.2x1.2**

In-Air Weight (kg):

Max Depth (m):

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical  
(Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **8SD; 2 HD**

Camera Platform:

Lighting: **8x10,000 Lumen LEDs**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.seaviewsystems.com/toolbox](http://www.seaviewsystems.com/toolbox)

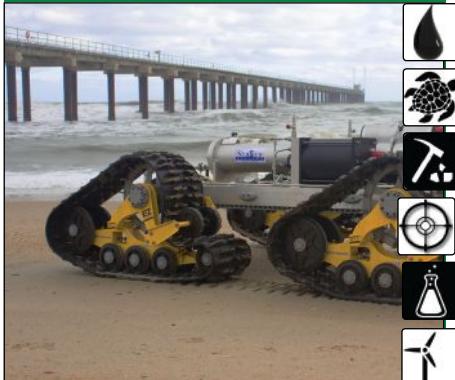
Contact: **Matthew Cook**

Email: [mcook@seaviewsystems.com](mailto:mcook@seaviewsystems.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Titan is a water-propelled, battery-powered ROV capable of providing full video and profiling sonar coverage of a tunnel perimeter for lengths up to 32,000ft (10km) or more. Cameras are mounted on eight umbrella-like booms distributed around tunnel perimeter.

## SeaView Systems, Inc



### SurfROVer

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.6x2x0.8**

In-Air Weight (kg): **680+**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera: 1 HD, option for more

Camera Platform:

Lighting: 2x10,000 Lumen LEDs

Navigation: GPS/INS/USBL

Manipulator: **Optional**

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF: [View PDF](#)

Website: [www.seaviewsystems.com/toolbox](http://www.seaviewsystems.com/toolbox)

Contact: **Matthew Cook**

Email: [mcook@seaviewsystems.com](mailto:mcook@seaviewsystems.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *SurfROVer is a battery-powered crawler capable of traversing from shore to depths of 300m. Outfitted with sonar, HD video and acoustic measurement systems, SurfRover is ideal for route and UXO surveys. The low-profile design and wide footprint creates an extremely stable vehicle for high energy environments.*

## Shark Marine Technologies Inc



### Sea-Wolf 2

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.91 x 0.69. x 0.53**

In-Air Weight (kg): **77.11**

Max Depth (m): **600**

Thrust Bollard Pull (kgf):

Forward/Aft: **35** Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **4**

Thruster Configuration: **2 Horizontal, 2 transversal**

Maximum Payload (kg): **18**

Max Through Frame Lift:

Power Requirements: **220/240 VAC 30 Amps**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution Color, Others Optional**

Camera Platform: **Pan/Tilt**

Lighting: **2 LED Lights, More Optional**

Navigation: **Heading/Pitch/Roll Standard, Total Navigation System Available**

Manipulator: **Electric or Hydraulic**

Auto Functions: **Depth, Altitude, Station Keeping, Route Following**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.sharkmarine.com](http://www.sharkmarine.com)

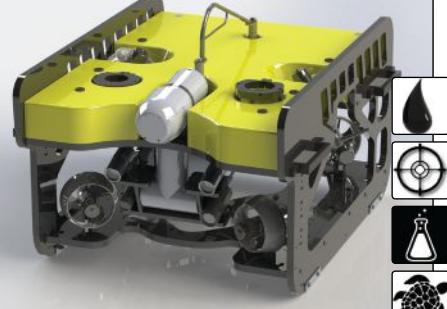
Contact:

Email: [sales@sharkmarine.com](mailto:sales@sharkmarine.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The SeaWolf-2, remains a trusted, popular choice with customers looking for a reliable multi-purpose ROV. Enhanced with Shark Marine's "DiveLog" control software that provides many autonomous / semi-autonomous features along with sensor control, data management and auto report generation. This old dog has some new tricks.*

## Shark Marine Technologies Inc



### Sea-Wolf 5

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.98 x 0.74 x 0.56**

In-Air Weight (kg): **95**

Max Depth (m): **600 (deeper optional)**

Thrust Bollard Pull (kgf):

Forward/Aft: **72.6** Vertical (Lift): **36.3**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **4 or 6**

Thruster Configuration: **2 or 4 Horizontal, 2 transversal**

Maximum Payload (kg): **18**

Max Through Frame Lift:

Power Requirements: **220/240 VAC 30 Amps**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution Color, Others Optional**

Camera Platform: **Pan/Tilt**

Lighting: **2 LED Lights, More Optional**

Navigation: **Heading/Pitch/Roll Standard, Total Navigation System Available**

Manipulator: **Electric or Hydraulic**

Auto Functions: **Depth, Altitude, Station keeping, Route following**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.sharkmarine.com](http://www.sharkmarine.com)

Contact:

Email: [sales@sharkmarine.com](mailto:sales@sharkmarine.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The SeaWolf-5 is a ROV unlike any other. A true light/medium work class ROV, the SeaWolf-5 packs a lot of power and modularity into a small frame. Customers can choose from a 4 or 6 thruster model or upgrade at any time. The SeaWolf-5 operates autonomously or semi-autonomously using Shark Marine's "DiveLog".*

# ROVs Light Workclass

## Shark Marine Technologies Inc



### Stealth 3

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.76 x 0.70 x 0.34**

In-Air Weight (kg): **52.16**

Max Depth (m): **300 (deeper optional)**

Thrust Bollard Pull (kgf):

Forward/Aft: **13.4** Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **4**

Thruster Configuration: **2 Horizontal, 2 Transversal**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **220/240 VAC 7.5 Amps**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution Color, Others Optional**

Camera Platform: **Pan/Tilt**

Lighting: **2 LED Lights**

Navigation: **Heading/Pitch/Roll Standard, Total Navigation System Available**

Manipulator: **Electric**

Auto Functions: **Depth, Altitude, Station keeping, route following**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.sharkmarine.com](http://www.sharkmarine.com)

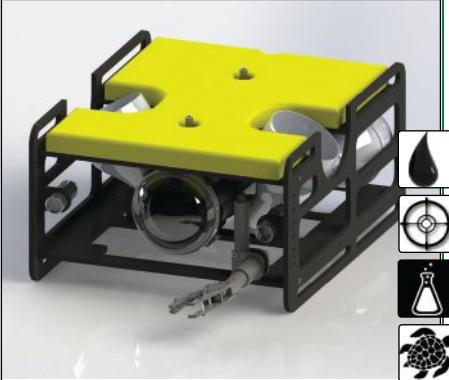
Contact:

Email: [sales@sharkmarine.com](mailto:sales@sharkmarine.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Stealth-3 ROV is one of the most versatile ROVs on the market today and has been proven by law enforcement and scientific organizations worldwide. The Stealth3 now operates on Shark Marine's "DiveLog" control software giving the Stealth autonomous / semi-autonomous capability and auto report generation.

## Shark Marine Technologies Inc



### Stealth 3 Open Frame

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.81 x 0.68 x 0.41**

In-Air Weight (kg): **54.43**

Max Depth (m): **300 (deeper optional)**

Thrust Bollard Pull (kgf):

Forward/Aft: **13.4** Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **4**

Thruster Configuration: **2 Horizontal, 2 Transversal**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **220/240 VAC 7.5 Amps**

Deployment System: **Optional**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution Color, Others Optional**

Camera Platform: **Pan/Tilt**

Lighting: **2 LED Lights**

Navigation: **Heading/Pitch/Roll Standard**

Manipulator: **Electric**

Auto Functions: **Depth, Altitude, Station keeping, Route Following**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.sharkmarine.com](http://www.sharkmarine.com)

Contact:

Email: [sales@sharkmarine.com](mailto:sales@sharkmarine.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: This open framed version of the Stealth 3 ROV offers additional equipment mounting capabilities, without compromising the compact size or capabilities of the standard Stealth 3 ROV.

## SMD



### Atom

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.61 x 1.5 x 1.5**

In-Air Weight (kg): **2000**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **550** Vertical (Lift): **330**

Thrust Speed (kts):

Forward: **3.5kn** Lateral: **2.5kn** Vertical: **1.8kn**

# of Thrusters: **6**

Thruster Configuration: **4x Horizontal, 2x Vertical**

Maximum Payload (kg): **150**

Max Through Frame Lift: **1500kg**

Power Requirements: **75kW (100HP)**

Deployment System: **6Te A frame, 6Te 3500m winch**

Tether Management System: **Yes**

Standard Equipment:

Camera: **1x Color Zoom, 1x Mono low light, 1x mono tooling**

Camera Platform: **1x Pan & Tilt**

Lighting: **2x HID + 6x Halogen or LED**

Navigation: **Teledyne CDL TOGS NAV**

Manipulator: **1x 7F pos feedback + 1x 5F Grabber**

Auto Functions: **Position Hold\Nudge\Step, Optional auto fly, auto survey, cruise, heading, depth, altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.smd.co.uk/products/work-class-rov-systems/atom.htm](http://www.smd.co.uk/products/work-class-rov-systems/atom.htm)

Contact: **Graeme Jaques**

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes: Ultra-compact work class ROV comparable in size to electric ROV system. Suitable for drill support, survey and light construction duties, can be mobilized on vessels and rigs with limited deck space. Designed with ease of operation and maintenance in mind, it boasts the latest DVECSII distributed control, graphical displays and pilot aids coupled with proven powerful Curvetech™ components. Can be supplied as a complete package with SMD's ultra compact TMS and LARS.

## Sperre AS



### ROV SF4500

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.18 x 0.73 x 0.77**

In-Air Weight (kg): **285**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **3.0** Lateral: **1.2** Vertical: **1.5**

# of Thrusters: **4**

Thruster Configuration: **Horizontal 3, Vertical 1**

Maximum Payload (kg): **~15**

Max Through Frame Lift:

Power Requirements: **230/400/440/690V, 1 phase 5kW**

Deployment System: **LARS/Crane**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Zoom, color**

Camera Platform: **Pan/Tilt**

Lighting: **Led-lamps**

Navigation: **Customer preference**

Manipulator: **Electric grabber/rope cutter**

Auto Functions: **Depth, Heading, Altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.sperre-as.com](http://www.sperre-as.com)

Contact: **Wenche Haugerud**

Email: [wh@sperre-as.com](mailto:wh@sperre-as.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: ROV designed for tough conditions. Reliable and well proven design. Quick and easy mobilization. Very good stability. Plenty of power. Interface for std. tools. Quality at an affordable price. Require a min. of maintenance. Made in Norway. Can build after customer spec.

## Teledyne Benthos



### SeaROVER Remotely Operated Vehicle

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.89 x 0.66 x 0.69**

In-Air Weight (kg): **47**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **34/20** Vertical (Lift): **17**

Thrust Speed (kts):

Forward: **3.0** Lateral: Vertical:

# of Thrusters: **4**

Thruster Configuration: **2 Horizontal, 1 Lateral, 1 Vertical**

Maximum Payload (kg): **10**

Max Through Frame Lift:

Power Requirements: **110-240 VAC, 47-63 Hz**

Deployment System: **Manual or LARS**

Tether Management System: **No**

Standard Equipment:

Camera: **One color, One low light black and white**

Camera Platform: **180 degree tilt**

Lighting: **2 LED pods, 700 lumens each**

Navigation: **Manual/USB**

Manipulator: **Optional**

Auto Functions: **Heading, Depth**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [http://teledynebenthos.com/product/dashboard/remotely\\_operated\\_vehicles](http://teledynebenthos.com/product/dashboard/remotely_operated_vehicles)

Contact: **Peter Ranelli**

Email: [Peter.Ranelli@Teledyne.com](mailto:Peter.Ranelli@Teledyne.com)

URL to Distributors/Dealers/Agents: [http://teledynebenthos.com/contact/sales\\_distribution](http://teledynebenthos.com/contact/sales_distribution)

Mfr Notes: The SeaRover is an affordable, agile solution for a light workclass ROV and is the most adaptable vehicle of the Benthos ROV Product Line. It is designed with a 'payload centric' approach, allowing the frame, propulsion and buoyancy to be expanded and modified to accommodate different sensors, instrumentation and tools.

## Teledyne SeaBotix



### LBV200-4

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.530 x 0.245 x 0.254**

In-Air Weight (kg): **11**

Max Depth (m): **200**

Thrust Bollard Pull (kgf):

Forward/Aft: **7** Vertical (Lift): **3**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters: **4**

Thruster Configuration: **2 fwd, 1 vert, 1 lat**

Maximum Payload (kg): **Various options**

Max Through Frame Lift:

Power Requirements: **110-220 VAC**

Deployment System: **1-2 person portable**

Tether Management System: **Manual reel**

Standard Equipment:

Camera: **Hi Res color, mono or HD**

Camera Platform: **Tilt 180 degrees**

Lighting: **Ultra bright LEDs**

Navigation:

Manipulator: **Grabber & cutter options**

Auto Functions: **Heading, Depth**

Auxiliary Tooling Power: **28 VDC**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.SeaBotix.com](http://www.SeaBotix.com)

Contact: **Alasdair Murrie**

Email: [SeaBotixInfo@Teledyne.com](mailto:SeaBotixInfo@Teledyne.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The LBV is a very stable and portable MiniROV with 4-axis maneuverability, powerful brushless thrusters and intuitive Integrated Control Console (ICC). The LBV200-4 offers a depth rating of 200 m (660 ft) and has the ability to carry options such as sonar, tracking, manipulators, and more.

# ROVs Light Workclass

## Teledyne SeaBotix



**LBV300-5 MiniROV & LBC Crawler**

## Teledyne SeaBotix



**vLBV MiniROV**

## Underwater Robotics Ltd.



**GNOM Baby**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.520 x 0.445 x 0.260**

In-Air Weight (kg): **13**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **7** Vertical (Lift): **7.5**

Thrust Speed (kts):

Forward: **1** Lateral: **1** Vertical: **1**

# of Thrusters: **5**

Thruster Configuration: **2 fwd, 2 vert, 1 lat**

Maximum Payload (kg): **Various options**

Max Through Frame Lift:

Power Requirements:

Deployment System: **1-2 person portable**

Tether Management System: **Manual reel & elec. options**

Standard Equipment:

Camera: **Hi Res color, mono or HD**

Camera Platform: **Tilt 180 degrees**

Lighting: **Ultra bright LEDs**

Navigation: **USBL**

Manipulator: **Grabber & cutter options**

Auto Functions:

Auxiliary Tooling Power: **28 VDC**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

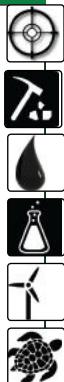
Website: [www.SeaBotix.com](http://www.SeaBotix.com)

Contact: [Alasdair Murrie](mailto:Alasdair.Murrie@Teledyne.com)

Email: [SeaBotixInfo@Teledyne.com](mailto:SeaBotixInfo@Teledyne.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The LBV300-5 is an incredibly stable MiniROV platform with a wide range of application possibilities. Dual-vertical thrusters add increased power and payload capacity. This compact system is capable of carrying a wide variety of sensors and tooling including imaging sonars and multi-function manipulators.



Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.625x0.390x0.390**

In-Air Weight (kg): **18**

Max Depth (m): **300 & 950**

Thrust Bollard Pull (kgf):

Forward/Aft: **18** Vertical (Lift): **7**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **4 vectored, 2 vert.**

Maximum Payload (kg): **Various options**

Max Through Frame Lift:

Power Requirements: **110-220 VAC**

Deployment System: **1-2 person portable**

Tether Management System: **Manual reel & elec. options**

Standard Equipment:

Camera: **Hi Res Color, Mono or HD**

Camera Platform: **Tilt 180 degrees**

Lighting: **Ultra bright LEDs**

Navigation: **SmartFlight/USBL**

Manipulator: **Grabber & cutter options**

Auto Functions: **Heading, Depth**

Auxiliary Tooling Power: **28 VDC**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.SeaBotix.com](http://www.SeaBotix.com)

Contact: [Alasdair Murrie](mailto:Alasdair.Murrie@Teledyne.com)

Email: [SeaBotixInfo@Teledyne.com](mailto:SeaBotixInfo@Teledyne.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The vectored thrust vLBV provides nearly equal thrust in all horizontal directions, allowing it to overcome significant water currents from any direction as well as the ability to carry a full complement of sensors, manipulators, tooling and packages. The vLBV is ideally suited for open water operations in tough conditions.



Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.210 x 0.185 x 0.150**

In-Air Weight (kg): **1.5**

Max Depth (m): **50**

Thrust Bollard Pull (kgf):

Forward/Aft: **1** Vertical (Lift): **1**

Thrust Speed (kts):

Forward: **1** Lateral: **1** Vertical: **1**

# of Thrusters: **3**

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **100 Watt**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **Yes**

Camera Platform: **Yes**

Lighting: **Yes**

Navigation: **Yes**

Manipulator: **Option**

Auto Functions: **Yes**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: <http://www.gnomrov.com>

Contact: [Evgeny Sherstov](mailto:Evgeny.Sherstov@Gnom-Rov.com)

Email: [info@gnom-rov.com](mailto:info@gnom-rov.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The ROV GNOM Baby is a micro sized vehicle that has all the main features inherited from larger underwater systems. The vehicle combines low cost with the full set of GNOM capabilities.

## Underwater Robotics Ltd.



### GNOM Standard

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.36 x 0.19 x 0.20**

In-Air Weight (kg): **3**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **3-4**

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **300 Watt**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **Yes**

Camera Platform: **Yes**

Lighting: **Yes**

Navigation: **Yes**

Manipulator: **Option**

Auto Functions: **Yes**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: <http://www.gnomrov.com/>

Contact: **Evgenny Sherstov**

Email: [info@gnom-rov.com](mailto:info@gnom-rov.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The GNOM Standard is a basic model of compact ROVs GNOM. It has small size, thin umbilical cable and very high manoeuvring capability which allows operating in hard-to-reach places including inside sunken wrecks.

## Underwater Robotics Ltd.



### SuperGNOM

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.45 x 0.22 x 0.23**

In-Air Weight (kg): **5**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **600 Watt**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **Yes**

Camera Platform: **Yes**

Lighting: **Yes**

Navigation: **Yes**

Manipulator: **Option**

Auto Functions: **Yes**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: <http://www.gnomrov.com/>

Contact: **Boris Rozman**

Email: [info@gnom-rov.com](mailto:info@gnom-rov.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The most advanced model Super Gnom can be equipped with the manipulator (grabber), scan sector sonar (Micron Tritech or analogue) and USBL positioning system. More powerful thrusters & additional illumination are installed on this ROV. It can be modified for operation at depths up to 200m.

## VideoRay LLC



### VideoRay Pro 4 Standard BASE ROV

Power: Electric: **Hydraulic:**

Size (m): LxWxH: **0.38 x 0.29 x 0.22**

In-Air Weight (kg): **6.1**

Max Depth (m): **305**

Thrust Bollard Pull (kgf):

Forward/Aft: **9.5** Vertical (Lift):

Thrust Speed (kts):

Forward: **4.2** Lateral: Vertical:

# of Thrusters: **3**

Thruster Configuration: **Brushless**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **100-240 Volts AC**

Deployment System: **By hand**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution**

Camera Platform: **NTSC or PAL Format**

Lighting: **(2) Optimized LED Arrays**

Navigation: **Optional**

Manipulator: **Optional**

Auto Functions: **auto-depth, auto-heading**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.videoray.com](http://www.videoray.com)

Contact: **+1 610-458-3000**

Email: [marketing@videoray.com](mailto:marketing@videoray.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The VideoRay Pro 4 Standard BASE ROV system can quickly and effectively perform a variety of basic underwater tasks. A portable and cost-effective solution, the Pro 4 can be deployed in minutes and operated by one person if necessary. Available in Rugged, Plus, Rack Mount, and Autonomous Control configurations.

# ROVs Light Workclass

## VideoRay LLC



### VideoRay Pro 4 Ultra BASE ROV

Power: Electric:      Hydraulic:

Size (m): LxWxH: **0.38 x 0.29 x 0.22**

In-Air Weight (kg): **6.1**

Max Depth (m): **305**

Thrust Bollard Pull (kgf):

Forward/Aft: **9.5**      Vertical (Lift):

Thrust Speed (kts):

Forward: **3.9**      Lateral:      Vertical:

# of Thrusters: **3**

Thruster Configuration: **Brushless**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **100-240 Volts AC**

Deployment System: **By hand**

Tether Management System: **Optional**

Standard Equipment:

Camera: **High Resolution**

Camera Platform: **NTSC or PAL Format**

Lighting: **(2) Optimized LED Arrays**

Navigation: **Not available**

Manipulator: **Optional**

Auto Functions: **auto-depth**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.videoray.com](http://www.videoray.com)

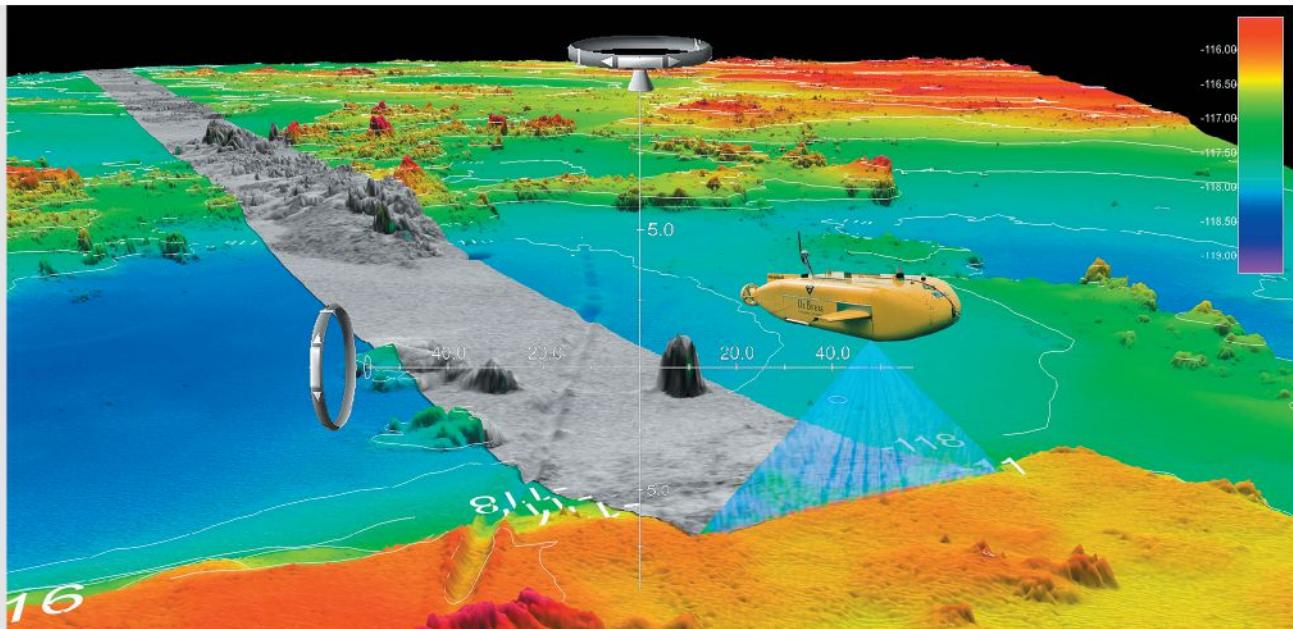
Contact: **+1 610-458-3000**

Email: [marketing@videoray.com](mailto:marketing@videoray.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The Pro 4 Ultra BASE offers a lighter, more portable solution for operators who only need basic functionality. 40% lighter than the Standard, the Ultra requires only 48 V DC and features a 13" convertible touchscreen tablet and wireless Logitech controller. The Ultra BASE can accept most basic VideoRay accessories.*

# AUTONOMOUS SOLUTIONS



#### Acquire – QPS QINSy is modular and user friendly.

QPS QINSy is equally well suited to less complex bathymetric surveys as it is to highly complex multi-vessel and multi-sensor offshore construction projects.

#### Process – QPS Qimera is Hydrographic Processing Evolved.

Qimera is our new multibeam sonar data processing platform, built on the core technologies of QINSy and Fledermaus.

#### Visualise – QPS Fledermaus is true 4d environment

Fledermaus is a true 4D geospatial processing and analysis tool that is used by commercial, academic and government organizations to interact with their geospatial datasets.

#### Sharing – the power of geospatial information systems

GIS is gaining in popularity as the tool for nautical and electronic chart production. Plus, GIS is able to be applied to a wide range of maritime activities like; vessel monitoring and traffic analysis, port operations, environmental data and coastal zone management.

**QPS, specialists in marine spatial data software**

## QPS DELIVERS PRODUCTS TO **ACQUIRE, PROCESS, VISUALIZE, SHARE**

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Contact: [sales@qps.nl](mailto:sales@qps.nl) or [sales@qps-us.com](mailto:sales@qps-us.com)

[www.qps.nl](http://www.qps.nl) or [www.qps-us.com](http://www.qps-us.com)



**SAAB**

# **ROV**

## **Medium Workclass**

### **Market Symbols**



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## Argus Remote Systems as



### Argus Mariner

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.7 x 1.1 x 1.1**

In-Air Weight (kg): **680**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **175** Vertical (Lift): **110**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **100**

Max Through Frame Lift:

Power Requirements: **20kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **4 x 130W LED, 46 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: Medium class ROV that can be fitted with auxiliary HPU for tooling. Can be fitted with 1 or two manipulators for light work.

## Argus Remote Systems as



### Argus Mariner XL

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.1 x 1.5 x 1.4**

In-Air Weight (kg): **1800**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **250kg** Vertical (Lift): **340kg**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2**

# of Thrusters: **8**

Thruster Configuration: **Vector**

Maximum Payload (kg): **150 (or custom)**

Max Through Frame Lift: **2 ton**

Power Requirements: **75kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **6x130W LED, 69 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **18kW (25HP)**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: Medium Work class ROV that can be fitted with 2 x 7 function manipulators and has a separate HPU for tooling.

## DOER Marine



### H3000

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.56 x 1.52 x 1.53**

In-Air Weight (kg): **2295**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **4 quad/3 vertical**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **3 video channels HD capable**

Camera Platform: **pam & tilt**

Lighting: **6 channels, 2 dimmable**

Navigation:

Manipulator: **dual sea mantis or 3rd party**

Auto Functions: **depth/heading/altitude**

Auxiliary Tooling Power: **yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.doermarine.com](http://www.doermarine.com)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes: Solid, versatile multi mission system for offshore, defence, science and submersible support/rescue, 4000m option available 25 to 75 hp options. Can be customizable.

# ROVs . Medium Workclass

## DOER Marine



**H6000**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.03 x 1.4 x 1.47**

In-Air Weight (kg): **1225**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: **254** Vertical (Lift): **272**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: 4 quad/3 vertical

Maximum Payload (kg): **50**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **3 video channels HD capable**

Camera Platform: **pan & tilt**

Lighting: **6 channels, 2 dimmable**

Navigation:

Manipulator: **dual sea mantis or 3rd party**

Auto Functions: **depth/heading/altitude**

Auxiliary Tooling Power: yes

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.doermarine.com](http://www.doermarine.com)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes: Multi mission system well suited to deep water intervention work including support for ocean observing systems. 25 hp. Can be customized.

## ECA GROUP



**H800 : ROV for inspection and light work**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.99 x 0.72 x 0.66**

In-Air Weight (kg): **140**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft: **59** Vertical (Lift): **34**

Thrust Speed (kts):

Forward: **4.5** Lateral: **2.0** Vertical: **2.5**

# of Thrusters: **6**

Thruster Configuration: **4xH vectored + 2xV**

Maximum Payload (kg): **11+30 by additional buoyancy**

Max Through Frame Lift: **N/A**

Power Requirements: **9 KVA**

Deployment System: **direct from surface**

Tether Management System: **No**

Standard Equipment:

Camera: **zoom colour + low light B/W**

Camera Platform: **colour : mounted on a P/T**

Lighting: **4x LED lights of 4000 lm each**

Navigation: **by sonar & low light camera**

Manipulator: **electric or hydraulic on skid**

Auto Functions: **depth, heading, altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.ecagroup.com/en/solutions/h800-ins](http://www.ecagroup.com/en/solutions/h800-ins)

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents: **Petrobras (Brazil), DCNS/ French Navy, Noble Drilling (USA)**

Mfr Notes: ECA Group developed its H800 , an observation Class ROV and light duty work system for the mooring inspection in strong currents and up to 1000m depth. Modular and easily configured according to your needs thanks to a wide range of sonar, manipulator arms and tools, and any type of sensors.

## ECA GROUP



**ROVING BAT : Hybrid ROV + crawler**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.41 x 1.10 x 0.83**

In-Air Weight (kg): **270**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft: **76** Vertical (Lift): **96**

Thrust Speed (kts):

Forward: **2** Lateral: Vertical:

# of Thrusters: **8 + 2 motorized tracks**

Thruster Configuration: **4xH + 4xV**

Maximum Payload (kg): **15**

Max Through Frame Lift: **N/A**

Power Requirements: **16 KVA**

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **1 dome colour zoom camera +1 B/W camera**

Camera Platform:

Lighting: **4 LED lights of 4200 lm each**

Navigation: **by sonar & cameras**

Manipulator: **5xfunction electric manipulator**

Auto Functions: **depth, heading**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.ecagroup.com/en/solutions/rover-hull-inspection-and-cleaning](http://www.ecagroup.com/en/solutions/rover-hull-inspection-and-cleaning)

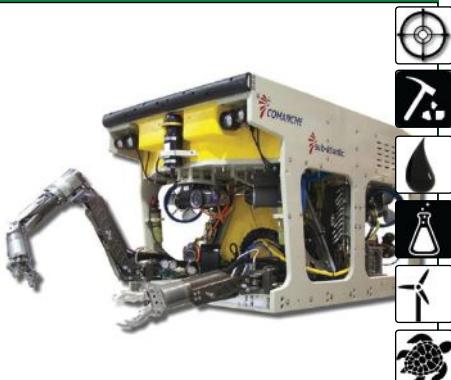
Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

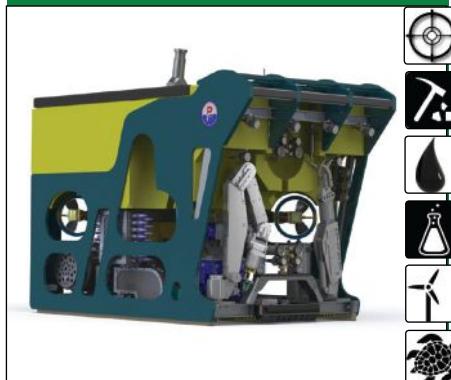
URL to Distributors/Dealers/Agents: **Petrobras (Brazil), DCNS/ French Navy, Noble Drilling (USA)**

Mfr Notes: It not only swims as a ROV, but, thanks to its 4 vertical thrusters it tilts,rolls, sticks onto a vertical surface (such as a ship's hull) and then crawls along it for inspection & cleaning!

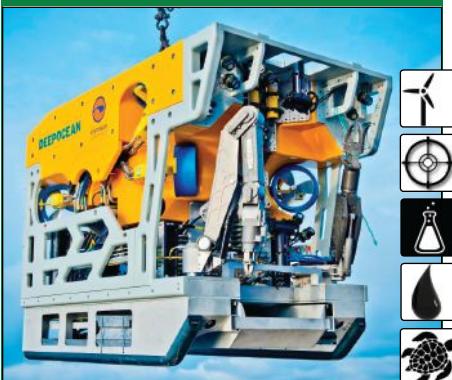
## Forum Subsea Technologies



## Forum Subsea Technologies



## KYSTDESIGN AS



### Sub-Atlantic Comanche

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.1 x 1.3 x 1.25**

In-Air Weight (kg): **1130**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: **240** Vertical (Lift): **225**

Thrust Speed (kts):

Forward: **3** Lateral: **2.5** Vertical: **1.5**

# of Thrusters: **7**

Thruster Configuration: **4 (lateral) x 3 (vertical)**

Maximum Payload (kg): **285**

Max Through Frame Lift: **225kg**

Power Requirements: **35kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **15kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.f-e-t.com/our\\_products\\_technologies/  
subsea-solutions/rovs-observation/comanche//](http://www.f-e-t.com/our_products_technologies/subsea-solutions/rovs-observation/comanche/)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include DOF Subsea, Bibby Offshore, Oceanteam 2000, Bluestream, Oceaneering, IKM, Neptune.

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.8 x 1.7 x 1.9**

In-Air Weight (kg): **3600 - 4100**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **850** Vertical (Lift): **850**

Thrust Speed (kts):

Forward: **4** Lateral: **3.1** Vertical: **3.3**

# of Thrusters: **7**

Thruster Configuration: **4 x 3 (vertical)**

Maximum Payload (kg): **200**

Max Through Frame Lift: **3000kg**

Power Requirements: **440Vac, 60Hz, 3 ph.**

Deployment System: **LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.f-e-t.com\subsea](http://www.f-e-t.com\subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Option: 4000msw and 6000msw depth rating available.

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.75 x 1.70 x 1.65**

In-Air Weight (kg): **3600**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **550** Vertical (Lift): **800**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **vectorized**

Maximum Payload (kg): **~400**

Max Through Frame Lift: **3000**

Power Requirements: **210 kVA**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer spec.**

Camera Platform: **Customer spec.**

Lighting: **Customer spec.**

Navigation: **Customer spec.**

Manipulator: **Customer spec.**

Auto Functions: **Yes**

Auxiliary Tooling Power: **78 l/min @ 210bar**

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.kystdesign.no](http://www.kystdesign.no)

Contact:

Email:

URL to Distributors/Dealers/Agents:

# ROVs • Medium Workclass

## Mariner Underwater Electronics



### IPPODAMUS PLUS

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.050 x 0.58 x 0.57**

In-Air Weight (kg): **95**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **80** Vertical (Lift): **60**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2**

# of Thrusters: **4**

Thruster Configuration: **Brushless**

Maximum Payload (kg): **20**

Max Through Frame Lift:

Power Requirements: **110-240 VAC/3,5 KW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **2 X Hi Resolution Color, Laser**

Camera Platform: Tilt, PAL / NTSC

Lighting: **3 X 1400 LUMEN LED**

Navigation: Compass

Manipulator: **Optional (5 functions)**

Auto Functions: **AUTO DEPTH**

Auxiliary Tooling Power: Optional

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.mariner.gr](http://www.mariner.gr)

Contact: **Marinos Pittas**

Email: [marhge@otenet.gr](mailto:marhge@otenet.gr)

URL to Distributors/Dealers/Agents:

**Mfr Notes:** IPPODAMUS PLUS is a larger version of IPPODAMUS + Fiber Optics Umbilical  
Our ROVs can be customized and be equipped with a great variety of accessories and tools, according to buyer's needs

## QinetiQ North America



### C-TALON

Power: Electric:  Hydraulic:

Size (m): LxWxH: **.91 x .61 x .45**

In-Air Weight (kg): **45**

Max Depth (m): **30.5**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **1.3** Lateral: Vertical:

# of Thrusters: **NA**

Thruster Configuration: **NA**

Maximum Payload (kg): **90**

Max Through Frame Lift:

Power Requirements:

Deployment System: **Boat or shore**

Tether Management System: **Yes**

Standard Equipment:

Camera: **2x Color CCD**

Camera Platform: **mast or body mount**

Lighting: **LED**

Navigation: **GPS (land), dead reckoning & USBL (UW)**

Manipulator: **NA**

Auto Functions: **Waypoint navigation**

Auxiliary Tooling Power:

Optional Equipment Available:

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.qinetiq-na.com/products/unmanned-systems/c-talon/](http://www.qinetiq-na.com/products/unmanned-systems/c-talon/)

Contact: **Ken Heller**

Email: [ken.heller@qinetiq-na.com](mailto:ken.heller@qinetiq-na.com)

URL to Distributors/Dealers/Agents: [www.QinetiQ-NA.com](http://www.QinetiQ-NA.com)

**Mfr Notes:** Underwater derivative of the US Military fielded TALON platform. This platform is geared towards research and exploration users who are looking for an Underwater Crawler to operate in the Surf Zone, Riverine Environments or Limited-Access Harbor Areas. The platform is designed specifically for customization and tuned to customer specific needs.

## QinetiQ North America



### Magnetic Track Crawling Robot

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.04 x 0.99 x 0.16**

In-Air Weight (kg): **150**

Max Depth (m): **61**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **NA**

Thruster Configuration: **NA**

Maximum Payload (kg): **44**

Max Through Frame Lift:

Power Requirements: **260W at 12 volts**

Deployment System: **Small davit crane**

Tether Management System: **No**

Standard Equipment:

Camera: **(4) Digital B&W**

Camera Platform: **Solid mount**

Lighting: **LED**

Navigation: **Encoders**

Manipulator: **NA**

Auto Functions: **Vehicle control and obstacle avoidance**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <https://www.qinetiq-na.com/products/unmanned-systems/hull-crawlers/>

Contact: **Ken Heller**

Email: [ken.heller@qinetiq-na.com](mailto:ken.heller@qinetiq-na.com)

URL to Distributors/Dealers/Agents: [www.QinetiQ-NA.com](http://www.QinetiQ-NA.com)

**Mfr Notes:** The unmanned crawler provides a stable platform with sufficient holding force to maneuver underwater in significant currents. Unmanned crawler capable of traveling along vertical ferrous structures, such as a vessel hull or other waterborne or water immersed structures. The crawler is capable of transporting payloads for inspection and maintenance.

## Rovtech Solutions LTD



### Super Seaker ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg):

Max Depth (m):

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.rovtechsolutions.co.uk](http://www.rovtechsolutions.co.uk)

Contact: Howard Smith

Email: [info@rovtechsolutions.co.uk](mailto:info@rovtechsolutions.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## Saab Seaeye Ltd



### Cougar Compact

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.3 x .9 x .784**

In-Air Weight (kg): **270**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **170** Vertical (Lift): **110**

Thrust Speed (kts):

Forward: **3.8** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal and**

**2 vertical brushless SM7 500 Volt DC**

Maximum Payload (kg): **60**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/cougar-xt-compact.html](http://www.seaeye.com/cougar-xt-compact.html)

Contact: James Douglas

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Saab Seaeye Ltd



### Cougar XTi

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.515 x 1 x .905**

In-Air Weight (kg): **580**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **170** Vertical (Lift): **110**

Thrust Speed (kts):

Forward: **3.2** Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): **80**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC 50-60 Hz**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/cougar-xti.html](http://www.seaeye.com/cougar-xti.html)

Contact: James Douglas

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

# ROVs • Medium Workclass

## Saab Seaeye Ltd



**Leopard**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.15 x 1.16 x 1.174**

In-Air Weight (kg): **<1200**

Max Depth (m): **2000/3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **493** Vertical (Lift): **225**

Thrust Speed (kts):

Forward: **3.5** Lateral: Vertical:

# of Thrusters: **7 or 11**

Thruster Configuration: **vectored SM9 500v brushless DC thrusters**

Maximum Payload (kg): **200 (105 after manipulators fitted)**

Max Through Frame Lift: **1 Te**

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/Leopard.html](http://www.seaeye.com/Leopard.html)

Contact: **James Douglas**

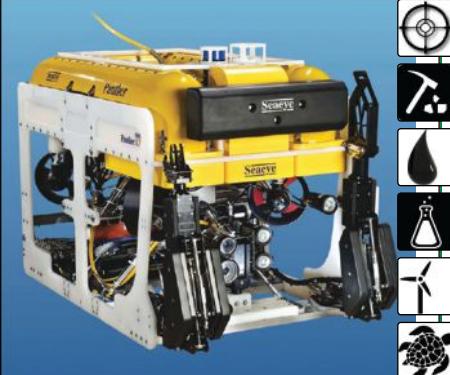
Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Saab Seaeye Ltd



**Panther XT**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.750 x 1.06 x 1.217**

In-Air Weight (kg): **500**

Max Depth (m): **1500**

Thrust Bollard Pull (kgf):

Forward/Aft: **180** Vertical (Lift): **110**

Thrust Speed (kts):

Forward: > **3** Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal and 2 vertical brushless SM7 500V DC**

Maximum Payload (kg): **110**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting: **four long-life LED lights**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/pantherxt.html](http://www.seaeye.com/pantherxt.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Saab Seaeye Ltd



**Panther XT Plus**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.14 x 1.06 x 1.217**

In-Air Weight (kg): **800**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **353** Vertical (Lift): **248**

Thrust Speed (kts):

Forward: > **4** Lateral: Vertical:

# of Thrusters: **10**

Thruster Configuration: **8 vectored horizontal and 2 verticle brushless SM7 500V DC**

Maximum Payload (kg): **150**

Max Through Frame Lift:

Power Requirements: **3-phase 380-480 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/Panther-XT-Plus.html](http://www.seaeye.com/Panther-XT-Plus.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

## Saab Seaeye Ltd



## SMD



## SMD



### Sabertooth

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.6 x 0.66 x 0.45**

In-Air Weight (kg): **650**

Max Depth (m): **1200**

Thrust Bollard Pull (kgf):

Forward/Aft: **100** Vertical (Lift): **80**

Thrust Speed (kts):

Forward: **5** Lateral: **—** Vertical:

# of Thrusters: **4 SM4 + 2 SM9**

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **2 kW 240 VAC**

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting: **2 LED lamps, equivalent to 400W Halogen**

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.seaeye.com/sabertooth.html](http://www.seaeye.com/sabertooth.html)

Contact: **James Douglas**

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes: *Hybrid ROV/AUV*

### Atom

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.61 x 1.5 x 1.5**

In-Air Weight (kg): **2000**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **550** Vertical (Lift): **330**

Thrust Speed (kts):

Forward: **3.5** Lateral: **2.5** Vertical: **1.8**

# of Thrusters: **6**

Thruster Configuration: **4x Horizontal, 2x Vertical**

Maximum Payload (kg): **150**

Max Through Frame Lift: **1500kg**

Power Requirements: **75kW (100HP)**

Deployment System: **6Te A frame, 6Te 3500m winch**

Tether Management System: **Yes**

Standard Equipment:

Camera: **1x Colour Zoom, 1x Mono low light, 1x mono tooling**

Camera Platform: **1x Pan & Tilt**

Lighting: **2x HID + 6x Halogen or LED**

Navigation: **Teledyne CDL TOGS NAV**

Manipulator: **1x 7F pos feedback + 1x 5F Grabber**

Auto Functions: **Position Hold/Nudge/Step. Optional auto fly, auto survey, cruise, heading, depth, altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <http://www.smd.co.uk/products/work-class-rov-systems/atom.htm>

Contact: **Graeme Jaques**

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Ultra-compact work class ROV comparable in size to an electric ROV system. Suitable for drill support, survey and light construction duties and can be mobilised on vessels and rigs with limited deck space. Designed with ease of operation and maintenance in mind, the Atom boasts the latest DVECSII distributed control, graphical displays and pilot aids coupled with proven powerful Curvetech™ components. Can be supplied as a complete package with SMD's ultra compact TMS and LARS.*

### Quasar

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.2 x 1.8 x 1.8**

In-Air Weight (kg): **3500**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **800** Vertical (Lift): **500**

Thrust Speed (kts):

Forward: **3.2** Lateral: **2.5** Vertical: **1.9**

# of Thrusters: **7**

Thruster Configuration: **4x Horizontal, 3x Vertical**

Maximum Payload (kg): **250**

Max Through Frame Lift: **3000kg**

Power Requirements: **110kW (150HP)**

Deployment System: **8Te A-Frame 8Te 3500m winch integrated 75kW HPU or 12te LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **1x Colour Zoom, 1x Mono low light, 1x mono tooling, 1x mini colour**

Camera Platform: **1x Pan & Tilt, 1x Tilt**

Lighting: **2x HID + 6 or 12 Halogen or LED**

Navigation: **Teledyne CDL TOGS NAV**

Manipulator: **1x 7F pos feedback + 1x 5F Grabber**

Auto Functions: **Position Hold/Nudge/Step. Optional auto fly, auto survey, cruise, heading, depth, altitude**

Auxiliary Tooling Power: **90LPM @210bar**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <http://www.smd.co.uk/products/work-class-rov-systems/quasar.htm>

Contact: **Graeme Jaques**

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The Quasar is the medium size vehicle in SMD's Q Series work class ROV range. Utilising the latest multi-platform Curvetech™ components, the vehicle offers class-leading in-current performance, tooling and instrument space and access for maintenance. Quasar is an excellent all round performer capable of survey, construction and drill support operations.*

# ROVs • Medium Workclass

## Sperre AS



### ROV SF10K

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.40 x 0.81 x 0.90**

In-Air Weight (kg): **410**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **3.2** Lateral: **1.8** Vertical: **1.9**

# of Thrusters: **5**

Thruster Configuration: **Horizontal 3, Vertical 2**

Maximum Payload (kg): **Approx. 20**

Max Through Frame Lift:

Power Requirements: **230/400/440/690V, 3 phase 10kW**

Deployment System: **LARS/Crane**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Zoom, color**

Camera Platform: **Pan/Tilt**

Lighting: **LED-lamps**

Navigation: **Customer preference**

Manipulator: **Electric grabber/rope cutter**

Auto Functions: **Depth, Heading, Altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.sperre-as.com](http://www.sperre-as.com)

Contact: **Wenche Haugerud**

Email: [wh@sperre-as.com](mailto:wh@sperre-as.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: ROV designed for tough conditions. Reliable and well proven design. Quick and easy mobilization. Very good stability. Plenty of power. Interface for std. tools. Quality at an affordable price. Require a min. of maintenance. Made in Norway. Can build after customer specification.

## Sperre AS



### ROV SF15K

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.62 x 0.90 x 0.96**

In-Air Weight (kg): **550**

Max Depth (m): **6000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **3.5** Lateral: **1.8** Vertical: **1.9**

# of Thrusters: **7**

Thruster Configuration: **Horizontal 5, Vertical 2**

Maximum Payload (kg): **Approx. 20**

Max Through Frame Lift:

Power Requirements: **230/400/440/690V, 3 phase 15kW**

Deployment System: **LARS/Crane**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Zoom, color**

Camera Platform: **Pan/Tilt**

Lighting: **LED-lamps**

Navigation: **Customer preference**

Manipulator: **Electric grabber/rope cutter**

Auto Functions: **Depth, Heading, Altitude**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.sperre-as.com](http://www.sperre-as.com)

Contact: **Wenche Haugerud**

Email: [wh@sperre-as.com](mailto:wh@sperre-as.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: ROV designed for tough conditions. Reliable and well proven design. Quick and easy mobilization. Very good stability. Plenty of power. Interface for std. tools. Quality at an affordable price. Require a min. of maintenance. Made in Norway. Can build after customer specification.

## Submersible Systems Inc.



### TRV-005

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 1.2 x 0.5**

In-Air Weight (kg): **240**

Max Depth (m): **Client Specified**

Thrust Bollard Pull (kgf):

Forward/Aft: **150** Vertical (Lift): **100**

Thrust Speed (kts):

Forward: **6** Lateral: Vertical:

# of Thrusters: **5**

Thruster Configuration: **Standard**

Maximum Payload (kg): **20**

Max Through Frame Lift: **1000**

Power Requirements: **25 kw**

Deployment System: **Client specified**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4**

Camera Platform: **2 x P/T, 2 x Fixed**

Lighting: **5 x Variable LED**

Navigation: **Gyro, Fluxgate**

Manipulator: **1 x 4 Function RHD**

Auto Functions: **Depth, Heading and Altitude**

Auxiliary Tooling Power: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.ssirovs.com](http://www.ssirovs.com)

Contact: **Wolfgang Burnside**

Email: [Wolfgang@ssirovs.com](mailto:Wolfgang@ssirovs.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Ultimate ROV for serious Offshore Platform Inspections and Pipeline Survey Work, no other ROV comes close to the rugged, reliable and incredibly maneuverable TRV-005.

## Submersible Systems Inc.



## Underwater Robotics Ltd.



**TRV-M**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 1.2 x 0.6**

In-Air Weight (kg): **450**

Max Depth (m): **Client Specified**

Thrust Bollard Pull (kgf):

Forward/Aft: **150** Vertical (Lift): **100**

Thrust Speed (kts):

Forward: **5** Lateral: Vertical:

# of Thrusters: **5 or 7**

Thruster Configuration: **Standard**

Maximum Payload (kg): **100**

Max Through Frame Lift: **1200 kg**

Power Requirements: **35 kw**

Deployment System: **Client Specified**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4**

Camera Platform: **2 x P/T, 2 x Fixed**

Lighting: **5 x Variable LED**

Navigation: **Gyro , Fluxgate**

Manipulator: **2 x 4 Function RHD**

Auto Functions: **Depth, Heading and Altitude**

Auxiliary Tooling Power: **Client Specified**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.ssirovs.com](http://www.ssirovs.com)

Contact: **Wolfgang Burnside**

Email: [Wolfgang@ssirovs.com](mailto:Wolfgang@ssirovs.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: A versatile vehicle often undertaking Workclass tasks in areas that prohibit access to larger Vehicles. The moderate payload also allows the secure attachment of additional Equipment / Sensors to the T6061 Aluminum frame. The TRV-M high mass / Thrust ensures easy transitions from the Surface to the Seabed to either its standard depth rating of 1000m or to the optional 3000m depth rating.



**SuperGNOM Pro**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.45 x 0.30 x 0.28**

In-Air Weight (kg): **10**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **1200 Watt**

Deployment System:

Tether Management System:

Standard Equipment:

Camera: **Yes**

Camera Platform: **Yes**

Lighting: **Yes**

Navigation: **Yes**

Manipulator: **Option**

Auto Functions: **Yes**

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: <http://www.gnomrov.com/>

Contact: **Evgeny Sherstov**

Email: [info@gnom-rov.com](mailto:info@gnom-rov.com)

URL to Distributors/Dealers/Agents:



Mfr Notes: ROV of the professional line of ROVs GNOM family.

“Without promotion,  
*something terrible*  
happens.... *NOTHING!*”

*P.T. Barnum*



# UNDERWATER COMMUNICATION AND POSITIONING SOLUTIONS

# Evo Logics®

## S2C TECHNOLOGY: COMMUNICATION AND TRACKING COMBINED

- time, space and cost-saving solutions
- low power consumption for autonomous operations
- advanced data delivery algorithms, addressing and networking, remotely configurable settings
- extendable platform with multiple configuration options: power-saving Wake Up module, acoustic releaser, additional sensors, custom solutions, OEM versions available

## USBL POSITIONING SYSTEMS

**simultaneous** positioning and communication - no need to switch between positioning mode and modem mode

- flexible SiNAPS positioning software
- reliable data transmissions
- range: up to 8000 m
- accuracy: up to 0.04 degrees

## UNDERWATER ACOUSTIC MODEMS

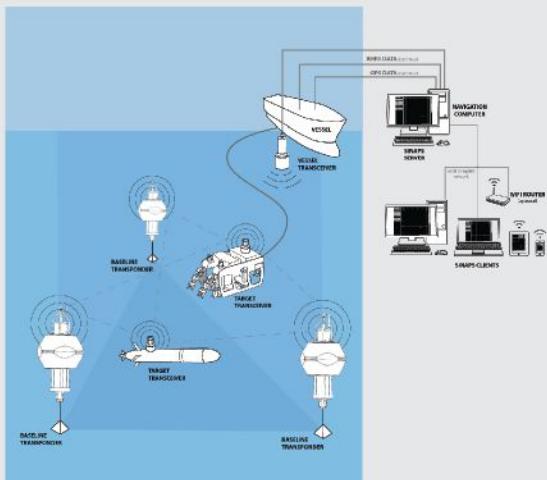
reliable data transmissions even in adverse conditions, customizable R-series modems, light and compact M-series "mini" modems, **new S2CM-HS high-speed modem**, special editions for developers, S2C communication and positioning emulator - remote access or standalone device

- range: up to 8000 m
- depth: up to 6000 m
- data rate: up to 62.5 kbps

## LBL POSITIONING SYSTEMS

highly accurate, precise and stable performance, simultaneous positioning and data transmissions

- flexible SiNAPS positioning software
- reliable data transmissions
- range: up to 8000 m
- accuracy: better than 0.01 m



# ROV

# Heavy Workclass

## Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## Argus Remote Systems as



## Argus Remote Systems



## ECA GROUP



### Argus Bathysaurus XL

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.5 x 1.6 x 1.6**

In-Air Weight (kg): **2900**

Max Depth (m): **7000**

Thrust Bollard Pull (kgf):

Forward/Aft: **400** Vertical (Lift): **560**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2 - 2.5**

# of Thrusters: **8**

Thruster Configuration: **Vector**

Maximum Payload (kg): **150 (or custom)**

Max Through Frame Lift: **1 ton**

Power Requirements: **75kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **6 x 130W LED, 69 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **18 or 35kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mftr Notes: Heavy Work class ROV for deepwater. Can be fitted with 4 x 7 function manipulators and has a separate HPU for tooling

### Argus Worker XL

Power Electric:  Hydraulic:

Size (m): LxWxH: **2.5 x 1.7 x 1.6**

In-Air Weight (kg): **3200**

Max Depth (m): **3000 (6000)**

Thrust Bollard Pull (kgf):

Forward/Aft: **1290** Vertical (Lift): **865**

Thrust Speed (kts):

Forward: **3+** Lateral: **2.5** Vertical: **2.5**

# of Thrusters: **8 electric and 2 hydraulic**

Thruster Configuration: **6 horizontal, 4 vertical**

Maximum Payload (kg): **250**

Max Through Frame Lift: **3 tons**

Power Requirements: **130kW / 175HP**

Deployment System: **LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **1-4 HD camera, 6 Composite**

Camera Platform:

Lighting: **6 x LED lights , 69,000 lumen**

Navigation: **Gyro**

Manipulator: **Schilling T4**

Auto Functions: **Yes**

Auxiliary Tooling Power: **25 - 60HP**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact:

Email: [sales@argus-rs.no](mailto:sales@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mftr Notes: High performance: Electric ROVs can run full power on all thrusters simultaneously, as opposed to hydraulic ROVs. Fully operational and reliable in all water temperatures: Electric propulsion works independently of water depths and temperatures, while hydraulic propulsion cannot operate in shallow/warm waters, and becomes very massive in ultra-deep/cold waters.

### H1000 : work class ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.54 x 1.27 x 1.13**

In-Air Weight (kg): **610**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **80** Vertical (Lift): **50**

Thrust Speed (kts):

Forward: **3.0** Lateral: **2.0** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **4x H vectored + 2x V**

Maximum Payload (kg): **15**

Max Through Frame Lift: **N/A**

Power Requirements: **70 KVA**

Deployment System: **LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **2x color + 1x low light B/W**

Camera Platform: **colour : mounted on a P/T**

Lighting: **7 lights of 75W + 1 of 35W**

Navigation: **sonar & low light camera**

Manipulator: **hydraulic or electric: 1x4 functions+ 1x5 functions**

Auto Functions: **depth, heading, altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.ecagroup.com/en/solutions/inspection-pipelines-rov](http://www.ecagroup.com/en/solutions/inspection-pipelines-rov)

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents: **French Navy, Watergate Technical Service (Nigeria)**

Mftr Notes: Main highlights of H1000 are : Powerful while compact in size, High performance viewing and sonar system, two manipulator arms (hydraulic or electric), validated/used by French Navy, Air transportable, H1000 is now available in full HD version,

# ROVs . Heavy Workclass

## ECA GROUP



### H2000 : work class ROV

Power Electric:  Hydraulic:

Size (m): LxWxH: **2.0 x 1.24 x 1.15**

In-Air Weight (kg): **900**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: **260** Vertical (Lift): **170**

Thrust Speed (kts):

Forward: **3.0** Lateral: **2.5** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **4xH vectored + 2xV**

Maximum Payload (kg): **80**

Max Through Frame Lift: **N/A**

Power Requirements: **40KVA for ROV + TMS;**

**35KVA for LARS**

Deployment System: **LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4x color + 2x low light B/W**

Camera Platform: **colour : mounted on a P/T**

Lighting: **7 LED lights : 2x7300lm + 4x4200 lm + 1x430 lm**

Navigation: **sonar & low light cameras**

Manipulator: **hydraulic or electric: 1x5 functions+ 1x7 functions**

Auto Functions: **depth, heading, altitude**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.ecagroup.com/en/solutions/rovs-object-recovery](http://www.ecagroup.com/en/solutions/rovs-object-recovery)

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents: **French Navy**

Mfr Notes: Main highlights of H2000 are : Powerful while compact in size, High performance viewing and sonar system, two manipulator arms, validated and used by French Navy, Air transportable.

## FMC Technologies Schilling Robotics



### HD ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.9 x 1.7 x 1.9**

In-Air Weight (kg): **3700**

Max Depth (m): **3000 Std, 4000+ Opt.**

Thrust Bollard Pull (kgf):

Forward/Aft: **900** Vertical (Lift): **850**

Thrust Speed (kts):

Forward: **3.2** Lateral: **2.3** Vertical: **2.4**

# of Thrusters: **7 x SA380**

Thruster Configuration: **3 Vertical, 4 Horizontal**

Maximum Payload (kg): **250**

Max Through Frame Lift: **3000**

Power Requirements: **400-480VAC, 60Hz**

Deployment System: **9.7 Te Min. SWL**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Preference**

Camera Platform: **Schilling Robotics**

Lighting: **Customer Preference**

Navigation: **Customer Preference**

Manipulator: **Any Schilling Robotics**

Auto Functions: **StationKeep**

Auxiliary Tooling Power: **40hp**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.fmctechnologies.com/Schilling-Robotics](http://www.fmctechnologies.com/Schilling-Robotics)

Contact: **Peter MacInnes**

Email: [schilling.sales@fmcti.com](mailto:schilling.sales@fmcti.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Heavy-duty, work-class ROV system suitable for demanding IRM, drill support, and heavy-duty construction tasks.

## FMC Technologies Schilling Robotics



### UHD-III ROV

Power Electric:  Hydraulic:

Size (m): LxWxH: **3.5 x 1.9 x 2.1**

In-Air Weight (kg): **5500**

Max Depth (m): **3000 Std, 4000+ Opt.**

Thrust Bollard Pull (kgf):

Forward/Aft: **1200** Vertical (Lift): **1000** Thrust

Speed (kts):

Forward: **3.2** Lateral: **3.2** Vertical: **2.5**

# of Thrusters: **7 x SA420**

Thruster Configuration: **3 Vertical, 4 Horizontal**

Maximum Payload (kg): **450**

Max Through Frame Lift: **3500**

Power Requirements: **400-480VAC, 60Hz**

Deployment System: **12.7 Te Min. SWL**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Preference**

Camera Platform: **Schilling Robotics**

Lighting: **Customer Preference**

Navigation: **Customer Preference**

Manipulator: **Any Schilling Robotics**

Auto Functions: **StationKeep**

Auxiliary Tooling Power: **150hp**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.fmctechnologies.com/Schilling-Robotics](http://www.fmctechnologies.com/Schilling-Robotics)

Contact: **Peter MacInnes**

Email: [schilling.sales@fmcti.com](mailto:schilling.sales@fmcti.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Ultra-heavy-duty, work-class ROV system suitable for the most demanding construction and intervention tasks.

## Forum Subsea Technologies



## Forum Subsea Technologies



**Perry XLX Evo - 150 HP**

**Perry XLX Evo - 200 HP**



Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.6 x 1.9 x 2.136**

In-Air Weight (kg): **5000**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **1050** Vertical (Lift): **940**

Thrust Speed (kts):

Forward: **4.4** Lateral: **3.2** Vertical: **3.4**

# of Thrusters: **8**

Thruster Configuration: **4 x 4**

Maximum Payload (kg): **300**

Max Through Frame Lift: **3000**

Power Requirements: **440Vac, 60Hz, 3 ph.**

Deployment System: **LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.f-e-t.com/our\\_products\\_technologies/subsea-solutions/rovs-work-class/](http://www.f-e-t.com/our_products_technologies/subsea-solutions/rovs-work-class/)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## ISE



**Hysub 50 HP ROV**



Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.5 x 1.4 x 1.5**

In-Air Weight (kg): **1723.5**

Max Depth (m): **1000 - 5000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **Multiple**

Maximum Payload (kg): **90.7**

Max Through Frame Lift:

Power Requirements: **4480 VAC, 3 phase, 100KW**

Deployment System: **Multiple**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Color, B&W**

Camera Platform:

Lighting: **5 LED or 250 W Halogen**

Navigation:

Manipulator: **1x5 function rate, 1x7 function SC Magnum, Optional 2x7 option**

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.ise.bc.ca](http://www.ise.bc.ca)

Contact: **Linda Mackay**

Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The HYSUB 50HP is an advanced offshore oil drilling and salvage vehicle. This vehicle has been fitted with sophisticated master slave manipulators.*

# ROVs . Heavy Workclass

ISE



## Hysub 150HP ROV

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.02 x 1.8 x 1.9**

In-Air Weight (kg): **3800**

Max Depth (m): **1000 - 5000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **Multiple**

Maximum Payload (kg): **200**

Max Through Frame Lift:

Power Requirements: **3000VAC, 3 phase, 60 Hz**

Deployment System: **Multiple**

Tether Management System: **Yes**

Standard Equipment:

Camera: **1HD, 1 low light, 3 high res, 2 low light b/w CCD wide angle**

Camera Platform:

Lighting: **8 LED or 250W Halogen**

Navigation:

Manipulator: **Two 7 function Magnum with surface control system**

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.ise.bc.ca](http://www.ise.bc.ca)

Contact: **Linda Mackay**

Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)

URL to Distributors/Dealers/Agents:

Mfr Notes: The HYSUB 150HP is designed to perform several functions including cable burial, salvage, research and survey. It is equipped with four lateral and three vertical thrusters, two manipulators, a full sensor package and ISE's customized control system, ACE.

KYSTDESIGN AS



## Constructor

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.22 x 1.70 x 1.87**

In-Air Weight (kg): **4600**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **vectorized**

Maximum Payload (kg): **~500**

Max Through Frame Lift: **3000**

Power Requirements: **270 kVA**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer spec.**

Camera Platform: **Customer spec.**

Lighting: **Customer spec.**

Navigation: **Customer spec.**

Manipulator: **Customer spec.**

Auto Functions: **Yes**

Auxiliary Tooling Power: **160 l/min @ 210bar**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.kystdesign.no](http://www.kystdesign.no)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes:

KYSTDESIGN AS



## Surveyor

Power: Electric:  Hydraulic:

Size (m): LxWxH: **5.50 x 2.00 x 1.34**

In-Air Weight (kg): **4500**

Max Depth (m): **2000**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **6-8** Lateral: Vertical:

# of Thrusters: **9**

Thruster Configuration: **4xfwd, 2xlat, 3xvert**

Maximum Payload (kg): **~600**

Max Through Frame Lift: **N/A**

Power Requirements: **270 kVA**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer spec.**

Camera Platform: **Customer spec.**

Lighting: **Customer spec.**

Navigation: **Customer spec.**

Manipulator: **N/A**

Auto Functions: **Yes**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.kystdesign.no](http://www.kystdesign.no)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes: Purpose made for seabed mapping and pipeline inspection.

## Oceaneering International, Inc.



## Oceaneering International, Inc.



## Oceaneering International, Inc.



### Magnum Plus

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.6 x 1.6 x 1.6**

In-Air Weight (kg): **3060**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **730** Vertical (Lift): **550**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **6**

Thruster Configuration: **4 Axial, 2 Vertical**

Maximum Payload (kg): **230**

Max Through Frame Lift: **2700**

Power Requirements: **380-690 V AC, 60 Hz**

Deployment System: **LARS (Cage / Tophat)**

Tether Management System: **Yes**

Standard Equipment:

Camera: **SD, HD, 3D HD, (4K)**

Camera Platform: **Pan & Tilt**

Lighting: **up to 8 x 250 W (Quartz Halogen or High Intensity LED)**

Navigation: **Kongsberg 1071 or 1171 Tritech Sea King**

Manipulator: **5 or 7 Function; rate, SC or Hybrid Control**

Auto Functions: **Fly-by-wire DP, Auto-heading, Auto-Depth, Auto-Attitude, Auto-Pitch, Cruise Control, On Shore Control, Auto-offset**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [oceaneering.com/magnum](http://oceaneering.com/magnum)

Contact: **Bill Mallin**

Email: [info@oceaneering.com](mailto:info@oceaneering.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The MAGNUM® ROV is a compact heavy work-class ROV designed in compliance with NORSO standard requirements.*

### Millennium Plus

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.3 x 1.7 x 1.9**

In-Air Weight (kg): **4000**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **900** Vertical (Lift): **950**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **8**

Thruster Configuration: **4 Axial, 4 Vertical**

Maximum Payload (kg): **450**

Max Through Frame Lift: **3400**

Power Requirements: **380-690 V AC, 60 Hz**

Deployment System: **LARS (Cage / Tophat)**

Tether Management System: **Yes**

Standard Equipment:

Camera: **SD, HD, 3D HD, (4K)**

Camera Platform: **Pan & Tilt**

Lighting: **up to 8 x 250 W (Quartz Halogen or High Intensity LED)**

Navigation: **Kongsberg 1071 or 1171 Tritech Sea King**

Manipulator: **5 or 7 Function; rate, SC or Hybrid Control**

Auto Functions: **Fly-by-wire DP, Auto-heading, Auto-Depth, Auto-Attitude, Auto-Pitch, Cruise Control, On Shore Control, Auto-offset**

Auxiliary Tooling Power: **up to 250 HP**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [oceaneering.com/millennium](http://oceaneering.com/millennium)

Contact: **Bill Mallin**

Email: [info@oceaneering.com](mailto:info@oceaneering.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The MILLENNIUM® Plus ROV can be upgraded with NEXXUS technology such as an API 53 compliant intervention system (RIPS), remote piloting, and advanced vision technology (obstacle avoidance and manipulator autonomy).*

### Nexxus

Power: Electric:  Hydraulic:

Size (m): LxWxH: **3.3 x 1.7 x 1.9**

In-Air Weight (kg): **4760**

Max Depth (m): **4000**

Thrust Bollard Pull (kgf):

Forward/Aft: **1050** Vertical (Lift): **1400**

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters: **8**

Thruster Configuration: **4 Axial, 4 Vertical**

Maximum Payload (kg): **450**

Max Through Frame Lift: **3400**

Power Requirements: **380-690 V AC, 60 Hz**

Deployment System: **LARS (Cage / Tophat)**

Tether Management System: **Yes**

Standard Equipment:

Camera: **SD, HD, 3D HD, (4K)**

Camera Platform: **Pan & Tilt**

Lighting: **up to 8 x 250 W (Quartz Halogen or High Intensity LED)**

Navigation: **Kongsberg 1071 or 1171 Tritech Sea King**

Manipulator: **5 or 7 Function; rate, SC or Hybrid Control**

Auto Functions: **Fly-by-wire DP, Auto-heading, Auto-Depth, Auto-Attitude, Auto-Pitch, Cruise Control, On Shore Control, Auto-offset**

Auxiliary Tooling Power: **250 HP**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [oceaneering.com/nexxus](http://oceaneering.com/nexxus)

Contact: **Bill Mallin**

Email: [info@oceaneering.com](mailto:info@oceaneering.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: *The NEXXUS ROV is a 250 hp heavy work-class ROV system. It comes standard with an API 53 compliant intervention system (RIPS), remote piloting, and advanced vision technology (obstacle avoidance and manipulator autonomy).*

# ROVs . Heavy Workclass

Saab Seaeye Ltd



## Jaguar

Power: Electric:  Hydraulic:

Size (m): LxWxH: 2.2 x 1.325 x 1.5

In-Air Weight (kg): 2100

Max Depth (m): 3000

Thrust Bollard Pull (kgf):

Forward/Aft: 325 Vertical (Lift): 225

Thrust Speed (kts):

Forward: 3 Lateral: Vertical:

# of Thrusters: 8

Thruster Configuration: 4 horizontal SM8 and 4 vertical SM7 500V brushless DC thrusters

Maximum Payload (kg): 225

Max Through Frame Lift: 1 Te

Power Requirements: 3-phase 380-480 VAC, 50/60 Hz

Deployment System: TMS10

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.seaeye.com/jaguar.html](http://www.seaeye.com/jaguar.html)

Contact: James Douglas

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes:

Ultra-Compact  
Dual Frequency  
Echosounders

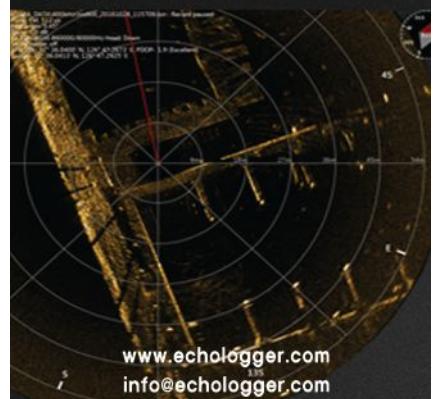


- 200kHz & 450kHz
- Multi-node Network
- Versatile Interface Scheme
- Compact and Easy to Operate
- Accurate Backscatter Data along Water Columns

High Resolution  
& High Speed  
Scanning Sonar Systems



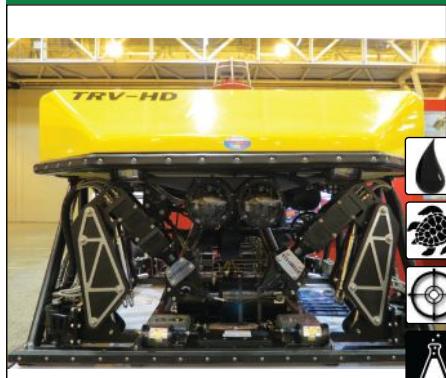
- Search & Rescue
- Scour Monitoring
- Navigation for ROV&AUV



## SMD



## Submersible Systems Inc.



## Quantum

|  |  |
|--|--|
| Power: Electric:   | Hydraulic: <input checked="" type="checkbox"/> |
| Size (m): LxWxH: <b>3.68 x 2.0 x 2.0</b>   |  |
| In-Air Weight (kg): <b>5000</b>  |  |
| Max Depth (m): <b>4000</b>   |  |
| Thrust Bollard Pull (kgf):   |  |
| Forward/Aft: <b>1300</b>   | Vertical (Lift): <b>900</b>                    |
| Thrust Speed (kts):  |  |
| Forward: <b>3.5</b>  | Lateral: <b>2.5</b>                            |
| Vertical: <b>2.2</b>   |  |
| # of Thrusters: <b>8</b>   |  |
| Thruster Configuration: <b>4x Horizontal, 4x Vertical</b>  |  |
| Maximum Payload (kg): <b>350</b>   |  |
| Max Through Frame Lift: <b>4000</b>  |  |
| Power Requirements: <b>186kW (250HP)</b>   |  |
| Deployment System: <b>12Te telescopic A-Frame, 12Te 3500m winch, 150kW HPU</b>   |  |
| Tether Management System: <b>Yes</b>   |  |
| Standard Equipment:  |  |
| Camera: <b>1x Color Zoom, 1x Mono low light, 1x mono tooling, 1x mini color</b>  |  |
| Camera Platform: <b>2x Pan &amp; Tilt</b>  |  |
| Lighting: <b>2x HID + 12 Halogen or LED</b>  |  |
| Navigation: <b>Teledyne CDL TOGS NAV</b>   |  |
| Manipulator: <b>1x 7F pos feedback + 1x 5F Grabber</b>   |  |
| Auto Functions: <b>Position Hold/Wudge/Step. Optional auto fly, auto survey, cruise, heading, depth, altitude</b>  |  |
| Auxiliary Tooling Power: <b>230lpm @250 bar</b>  |  |
| Optional Equipment Available: <b>Yes</b>   |  |
| Vehicle can be buyer customized:   |  |
| View PDF: <a href="#"></a>   |  |
| Website: <a href="http://www.smd.co.uk/products/work-class-rov-systems/quantum.htm">http://www.smd.co.uk/products/work-class-rov-systems/quantum.htm</a> |  |
| Contact: <b>Graeme Jaques</b>  |  |
| Email: <a href="mailto:graeme.jaques@smd.co.uk">graeme.jaques@smd.co.uk</a>  |  |
| URL to Distributors/Dealers/Agents:  |  |

Mfr Notes: The Quantum is SMD's largest work class ROV suitable for heavy construction duties. Utilizing the latest multi-platform Curvetech™ components, the vehicle offers class-leading in-current performance and extensive free tool and instrument space. Designed to cope with power intensive deepwater tasks, the Quantum is the ultimate subsea construction and survey tool.

## TRV-HD

|   |  |
|---|--|
| Power: Electric: <input checked="" type="checkbox"/>                  | Hydraulic: <input checked="" type="checkbox"/> |
| Size (m): LxWxH: <b>1.5 x 1.2 x 1.4</b>                               |  |
| In-Air Weight (kg): <b>800</b>  |  |
| Max Depth (m): <b>Client Specified</b>                                |  |
| Thrust Bollard Pull (kgf):  |  |
| Forward/Aft: <b>150</b>   | Vertical (Lift): <b>150</b>                    |
| Thrust Speed (kts):   |  |
| Forward: <b>5</b>   | Lateral: <b></b>                               |
| Vertical: <b></b>   |  |
| # of Thrusters: <b>5 or 7</b>   |  |
| Thruster Configuration: <b>Standard</b>                               |  |
| Maximum Payload (kg): <b>150</b>                                      |  |
| Max Through Frame Lift: <b>2500 kg</b>                                |  |
| Power Requirements: <b>50kw</b>                                       |  |
| Deployment System: <b>Client Specified</b>                            |  |
| Tether Management System: <b>Yes</b>                                  |  |
| Standard Equipment:   |  |
| Camera: <b>4</b>  |  |
| Camera Platform: <b>2 x P/T, 2 x Fixed</b>                            |  |
| Lighting: <b>5 x Variable LED</b>                                     |  |
| Navigation: <b>Gyro, Fluxgate</b>                                     |  |
| Manipulator: <b>2 x 5 Function RHD</b>                                |  |
| Auto Functions: <b>Depth, Heading and Altitude</b>                    |  |
| Auxiliary Tooling Power: <b>Client Specified</b>                      |  |
| Optional Equipment Available: <b>Yes</b>                              |  |
| Vehicle can be buyer customized:                                      |  |
| View PDF: <a href="#"></a>  |  |
| Website: <a href="http://www.ssirovs.com">www.ssirovs.com</a>         |  |
| Contact: <b>Wolfgang Burnside</b>                                     |  |
| Email: <a href="mailto:Wolfgang@ssirovs.com">Wolfgang@ssirovs.com</a> |  |
| URL to Distributors/Dealers/Agents:                                   |  |

Mfr Notes: The TRV-HD Extreme is a serious, compact Workclass vehicle with a very small footprint. When offshore real estate is at a premium the TRV-HD is the only logical choice. Most Manipulator options are available.

“*A good ad which  
is not run never  
produces sales*”

*Leo Burnett*



# **ROV**

## **Inspections/Observation**

## **Workclass**

### **Market Symbols**



Defence



Seabed  
Mining



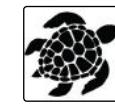
Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## AQUABOTIX



### Endura 100

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.7 x 0.37 x 0.3**

In-Air Weight (kg): **6.8**

Max Depth (m): **100**

Thrust Bollard Pull (kgf):

Forward/Aft:  Vertical (Lift):

Thrust Speed (kts):

Forward: **5** Lateral: **0.5** Vertical: **1**

# of Thrusters: **5**

Thruster Configuration: **2 forward, 3 hovering**

Maximum Payload (kg): **3**

Max Through Frame Lift:

Power Requirements: **lithium battery on board (AC available)**

Deployment System: **n/a**

Tether Management System: **No**

Standard Equipment:

Camera: **1080 p HD Tilt Camera**

Camera Platform:

Lighting: **4400 lumen LED lighting**

Navigation: **available**

Manipulator: **available**

Auto Functions: **depth, heading, speed**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: <http://www.aquabotix.com/professional-rovs---endura.html>

Contact: **Dawn Doraz**

Email: [sales@aquabotix.com](mailto:sales@aquabotix.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Endura 100 is one person deployable with a 100 m depth rating. It has 6 degree freedom of motion and is controlled via an intuitive PC or iPad application. Options include sonar and environmental sensors.

## AQUABOTIX



### Endura 300

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.7 x 0.37 x 0.3**

In-Air Weight (kg): **6.8**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft:  Vertical (Lift):

Thrust Speed (kts):

Forward: **5** Lateral: **0.5** Vertical: **1**

# of Thrusters: **5**

Thruster Configuration: **2 forward, 3 hovering/pitch**

Maximum Payload (kg): **3**

Max Through Frame Lift:

Power Requirements: **lithium battery on board (AC available)**

Deployment System: **n/a**

Tether Management System: **No**

Standard Equipment:

Camera: **1080 p HD Tilt**

Camera Platform:

Lighting: **4400 lumen LED**

Navigation: **available**

Manipulator: **available**

Auto Functions: **depth, heading, speed**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: <http://www.aquabotix.com/professional-rovs---endura.html>

Contact: **Dawn Doraz**

Email: [sales@aquabotix.com](mailto:sales@aquabotix.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Endura 300 is one person deployable with a 300 m depth rating. It has 6 degree freedom of motion and is controlled via an intuitive PC or iPad application. Options include sonar and environmental sensors.

## Argus Remote Systems as



### Argus Bathysaurus XL

Power: Electric:  Hydraulic:

Size (m): LxWxH: **2.5 x 1.6 x 1.6**

In-Air Weight (kg): **2900**

Max Depth (m): **7000**

Thrust Bollard Pull (kgf):

Forward/Aft: **400kg** Vertical (Lift): **560kg**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2 - 2.5**

# of Thrusters: **8**

Thruster Configuration: **Vector**

Maximum Payload (kg): **150 (or custom)**

Max Through Frame Lift: **1 ton**

Power Requirements: **75kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **6 x 130W LED, 69 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **18 or 35kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: Heavy Work class ROV for deepwater. Can be fitted with 2 x 7 function manipulators and has a separate HPU for tooling

# ROVs . Inspections/Observation Workclass

## Argus Remote Systems as



### Argus Mariner

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.7 x 1.1 x 1.1**

In-Air Weight (kg): **680**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **175kg** Vertical (Lift): **110kg**

Thrust Speed (kts):

Forward: 3 Lateral: 2 Vertical: 2

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **100**

Max Through Frame Lift:

Power Requirements: **20kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **4 x 130W LED, 46 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Medium class ROV that can be fitted with auxiliary HPU for tooling. Can be fitted with 1 or two manipulators for light work.*

## Argus Remote Systems as



### Argus Mariner XL

Class: Electric:  Hydraulic:

Size (m): LxWxH: **2.1 x 1.5 x 1.4**

In-Air Weight (kg): **1800**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **250kg** Vertical (Lift): **340kg**

Thrust Speed (kts):

Forward: 3 Lateral: 2 Vertical: 2

# of Thrusters: **8**

Thruster Configuration: **Vector**

Maximum Payload (kg): **150 (or custom)**

Max Through Frame Lift: **2 ton**

Power Requirements: **75kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **6x130W LED, 69 000 Lumen**

Navigation: **Yes**

Manipulator: **4F - 7F**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power: **18kW (25HP)**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.argus-rs.no](http://www.argus-rs.no)

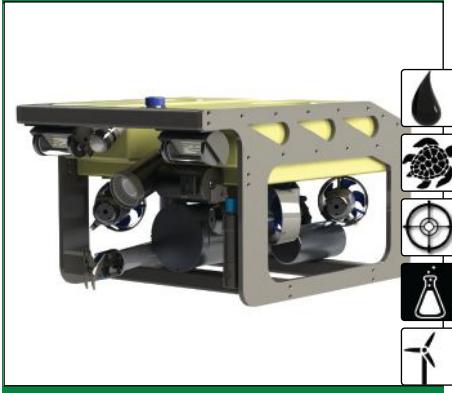
Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Medium Work class ROV that can be fitted with 2 x 7 function manipulators and has a separate HPU for tooling.*

## Argus Remote Systems as



### Argus Mini

Power Electric:  Hydraulic:

Size (m): LxWxH: **0.9 x 0.65 x 0.5**

In-Air Weight (kg): **85**

Max Depth (m): **600**

Thrust Bollard Pull (kgf):

Forward/Aft: **40kg** Vertical (Lift): **30kg**

Thrust Speed (kts):

Forward: **2.5-3** Lateral: 2 Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **5 (or custom)**

Max Through Frame Lift:

Power Requirements: **3kW**

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **2x130W LED, 23 000 Lumen**

Navigation: **Yes**

Manipulator: **Open/Close**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: **Jan Bryn**

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Observation class ROV that can be fitted with an open/close manipulator.*

## Argus Remote Systems as



### Argus Rover

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.4 x 1 x 0.8**

In-Air Weight (kg): **450**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **90kg** Vertical (Lift): **60kg**

Thrust Speed (kts):

Forward: **2.5-3** Lateral: **2** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **Vector**

Maximum Payload (kg): **15 (or custom)**

Max Through Frame Lift:

Power Requirements: **10kW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **Composite and HD**

Camera Platform:

Lighting: **2 x 130W LED, 23 000 Lumen**

Navigation: **Yes**

Manipulator: **4 or 5F Manip**

Auto Functions: **Head, Depth and Alt**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.argus-rs.no](http://www.argus-rs.no)

Contact: [Jan.Bryn](mailto:Jan.Bryn@argus-rs.no)

Email: [jan@argus-rs.no](mailto:jan@argus-rs.no)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Observation class ROV that can do light work. Can be fitted with 1 or two manipulators for light work.*

## BlueRobotics



### BlueROV2

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg):

Max Depth (m):

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System:

Standard Equipment:

Camera:

Camera Platform:

Lighting:

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available:

Vehicle can be buyer customized:

[View PDF:](#)

Website: [www.bluerobotics.com](http://www.bluerobotics.com)

Contact:

Email: [sales@bluerobotics.com](mailto:sales@bluerobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## Crystal Cam Imaging



### Delta Extreme

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.28 x 0.43 x 0.15**

In-Air Weight (kg): **6.2**

Max Depth (m): **30**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration: **Ground tracks**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **110Vac (or 48Vdc battery)**

Deployment System: **Tether on reel**

Tether Management System: **Yes**

Standard Equipment:

Camera: **10x zoom, tilt 460TVL color <1 lx**

Camera Platform:

Lighting: **Dual high efficiency LED (variable)**

Navigation: **Fully independent ground tracks**

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <http://content.recce-robotics.com/delta-extreme>

Contact:

Email: [info@crystal-cam.com](mailto:info@crystal-cam.com)

URL to Distributors/Dealers/Agents: <http://content.recce-robotics.com/contact>

Mfr Notes:

*At Crystal Cam we believe in extending human capabilities in hazardous places, and we do that by building submersible ground robots and virtually indestructible miniature submersible cameras. The Delta series robot operates above and below water, on beaches, culverts and in confined spaces.*

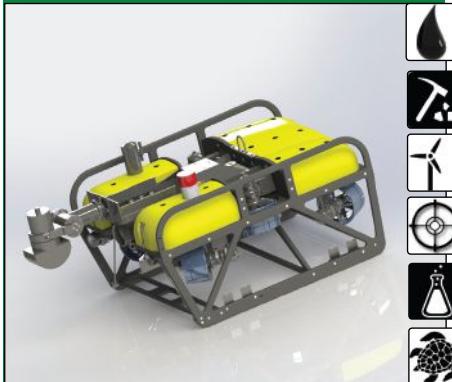
# ROVs . Inspections/Observation Workclass

## Deep Ocean Engineering, Inc.



**PHANTOM® T5**

## Deep Ocean Engineering, Inc.



**PHANTOM® L6**

Power Electric:  Hydraulic:

Size (m): LxWxH: **0.889x0.559x0.406**

In-Air Weight (kg): **93.5**

Max Depth (m): **300; 500 optional**

Thrust Bollard Pull (kgf):

Forward/Aft: **63** Vertical (Lift): **17**

Thrust Speed (kts):

Forward: **4** Lateral: **N/A** Vertical: **N/A**

# of Thrusters: **5**

Thruster Configuration: **4 vectored horizontal, 1 vertical**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **Universal input 90-250 VAC, single phase**

Deployment System: **Optional**

Tether Management System: **No**

Standard Equipment:

Camera: **Sony HD camera standard (1920x1080)**

Camera Platform: **Front mounted on mechanical tilt unit (+/-90°)**

Lighting: **Front facing LED lights (6000 lumens standard; 18,000 optional)**

Navigation: **Heading Accuracy +/-0.05°**

Manipulator: **optional**

Auto Functions: **Heading, depth, trim (speed)**

Auxiliary Tooling Power: **300VDC, 24VDC**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.deepocean.com/phantom-t5.php](http://www.deepocean.com/phantom-t5.php)

Contact: **Mike Takeda**

Email: [ssales@deepocean.com](mailto:ssales@deepocean.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: **N/A**



Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.0668x0.8001x0.5715**

In-Air Weight (kg): **97.5**

Max Depth (m): **500, 800 optional**

Thrust Bollard Pull (kgf):

Forward/Aft: **68** Vertical (Lift): **49**

Thrust Speed (kts):

Forward: **4** Lateral: **N/A** Vertical: **N/A**

# of Thrusters: **6**

Thruster Configuration: **4 vectored horizontal, 2 vertical**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **240 VAC, three phase**

Deployment System: **Optional**

Tether Management System: **No**

Standard Equipment:

Camera: **Sony HD camera standard (1920x1080)**

Camera Platform: **Front mounted on mechanical tilt unit (+/-90°)**

Lighting: **Front facing LED lights (2 x 9000 lumens standard)**

Navigation: **Heading Accuracy +/-0.05°**

Manipulator: **optional**

Auto Functions: **Heading, depth, trim (speed)**

Auxiliary Tooling Power: **300VDC, 24VDC**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.deepocean.com/phantom-l6.php](http://www.deepocean.com/phantom-l6.php)

Contact: **Mike Takeda**

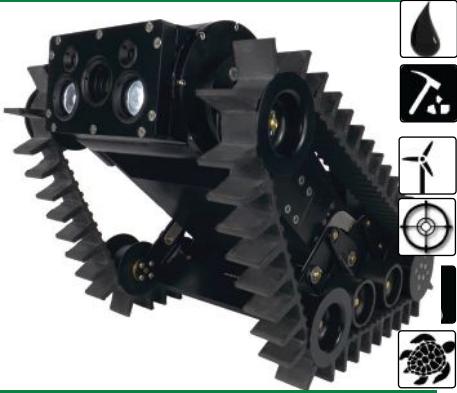
Email: [sales@deepocean.com](mailto:sales@deepocean.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

# ROVs . Inspections/Observation Workclass

## Crystal Cam Imaging



### Delta Micro

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.22 x 0.43 x 0.11**

In-Air Weight (kg): **6.2**

Max Depth (m): **30**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration: **Ground tracks**

Maximum Payload (kg):

Max Through Frame Lift:

Power Requirements: **110Vac (or 48Vdc battery)**

Deployment System: **Tether on reel**

Tether Management System: **Yes**

Standard Equipment:

Camera: **10x zoom, tilt 460TVL color <1 lx**

Camera Platform:

Lighting: **Dual high efficiency LED (variable)**

Navigation: **Fully independent ground tracks**

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

[View PDF:](#)

Website: <http://content.recce-robotics.com/delta-micro>

Contact:

Email: [info@crystal-cam.com](mailto:info@crystal-cam.com)

URL to Distributors/Dealers/Agents: <http://content.recce-robotics.com/contact>

Mfr Notes: At Crystal Cam we believe in extending human capabilities in hazardous places, and we do that by building submersible ground robots and virtually indestructible miniature submersible cameras. The Delta series robot operates above and below water, on beaches, culverts and in confined spaces.

## Deep Trekker Inc.



### DT340 Crawler

Power Electric:  Hydraulic:

Size (m): LxWxH: **0.884 x 0.141 x 0.151**

In-Air Weight (kg): **16.6**

Max Depth (m): **50**

Thrust Bollard Pull (kgf):

Forward/Aft: N/A Vertical (Lift): N/A

Thrust Speed (kts):

Forward: **20 m/min** Lateral: N/A Vertical: N/A

# of Thrusters: N/A

Thruster Configuration: N/A

Maximum Payload (kg): N/A

Max Through Frame Lift: N/A

Power Requirements: **on-board batteries**

Deployment System: **Deploy in 30 sec. with 1 person**

Tether Management System: **No**

Standard Equipment:

Camera: **Low Light, High Colour Resolution**

Camera Platform: **280 degree tilt & continuous pan range**

Lighting: **Dimmable, Shadowless LED**

Navigation: **Cruise Control**

Manipulator: N/A

Auto Functions: **roll-over detection**

Auxiliary Tooling Power: N/A

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.deeptrekker.com](http://www.deeptrekker.com)

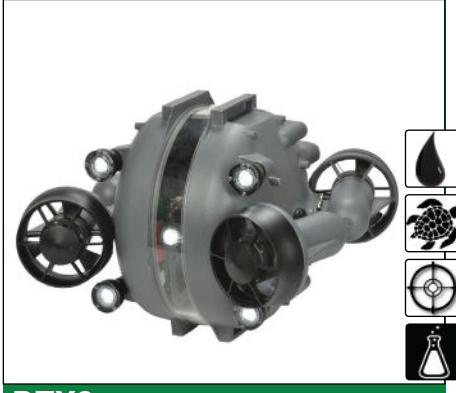
Contact: **Deep Trekker Sales**

Email: [sales@deeptrekker.com](mailto:sales@deeptrekker.com)

URL to Distributors/Dealers/Agents: [www.deeptrekker.com/locate-a-reseller](http://www.deeptrekker.com/locate-a-reseller)

Mfr Notes: Based on the proven success of the Deep Trekker ROV, the DT340 Crawler efficiently and easily inspects pipelines, all in a portable, affordable and easy to use package.

## Deep Trekker Inc.



### DTX2

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.495 x 0.380 x 0.630**

In-Air Weight (kg): **26**

Max Depth (m): **305**

Thrust Bollard Pull (kgf):

Forward/Aft: **12** Vertical (Lift): **12**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **3**

# of Thrusters: **4**

Thruster Configuration: **Vectored, patented pitching system**

Maximum Payload (kg): **1.5**

Max Through Frame Lift:

Power Requirements: **on-board batteries**

Deployment System: **1 - 2 person portability**

Tether Management System: **No**

Standard Equipment:

Camera: **Low-light, colour high resolution**

Camera Platform: **tilt 270 degrees**

Lighting: **1 LED 270 degree rotation, 4 fixed**

Navigation: **USBL Optional, auto-heading, auto-depth**

Manipulator: **2 function, 360 degree rotate, open/close functions**

Auto Functions: **heading, depth**

Auxiliary Tooling Power: **N/A**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.deeptrekker.com](http://www.deeptrekker.com)

Contact: **Deep Trekker Sales**

Email: [sales@deeptrekker.com](mailto:sales@deeptrekker.com)

URL to Distributors/Dealers/Agents: <http://www.deeptrekker.com/locate-a-reseller>

Mfr Notes: Building on the proven DTG2 platform, the DTX2 takes its cues from larger ROVs, by bringing all of the functionality required for difficult jobs, but without the usual complexity.

# ROVs • Inspections/Observation Workclass

## EPRONS ROV Ltd.



**RB 300**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.42 x 0.32 x 0.28**

In-Air Weight (kg): **9**

Max Depth (m): **200**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift): **150**

Thrust Speed (kts):

Forward: **3** Lateral: Vertical:

# of Thrusters: **5**

Thruster Configuration: **F / L / V**

Maximum Payload (kg): **up to 2**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **700 TVL**

Camera Platform:

Lighting: **4 LED**

Navigation: **Compass**

Manipulator: **2 jaw o/c/r**

Auto Functions: **heading/depth**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.eprons.eu](http://www.eprons.eu)

Contact: [A. Cernavskies](mailto:A.Cernavskies@eprons.eu)

Email: [info@eprons.eu](mailto:info@eprons.eu)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## EPRONS ROV Ltd.



**RB 600**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.52 x 0.37 x 0.34**

In-Air Weight (kg): **15**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **3.89** Lateral: Vertical:

# of Thrusters: **7**

Thruster Configuration: **F / L / V**

Maximum Payload (kg): **up to 3**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **Full HD**

Camera Platform:

Lighting: **4 LED**

Navigation: **Compass**

Manipulator: **2 jaw o/c/r**

Auto Functions: **heading / depth**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.eprons.eu](http://www.eprons.eu)

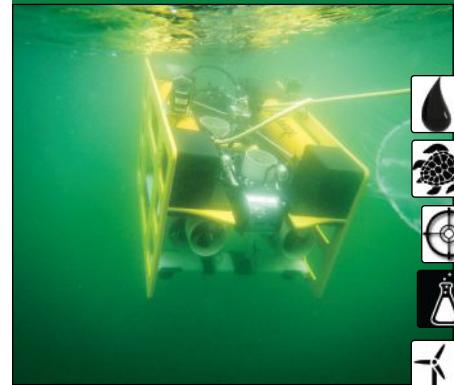
Contact: [A. Cernavskies](mailto:A.Cernavskies@eprons.eu)

Email: [info@eprons.eu](mailto:info@eprons.eu)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## EPRONS ROV Ltd.



**RB MIRAGE**

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.8 x 0.54 x 0.50**

In-Air Weight (kg): **48**

Max Depth (m): **400**

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: **5.83** Lateral: Vertical:

# of Thrusters: **10**

Thruster Configuration: **F / L / V**

Maximum Payload (kg): **up to 5**

Max Through Frame Lift:

Power Requirements:

Deployment System:

Tether Management System: **No**

Standard Equipment:

Camera: **Full HD / 4K**

Camera Platform:

Lighting: **4 LED**

Navigation: **Compass**

Manipulator: **3 jaw o/c/r**

Auto Functions: **heading / depth**

Auxiliary Tooling Power:

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.eprons.eu](http://www.eprons.eu)

Contact: [A. Cernavskies](mailto:A.Cernavskies@eprons.eu)

Email: [info@eprons.eu](mailto:info@eprons.eu)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## Forum Subsea Technologies



## Forum Subsea Technologies



## Forum Subsea Technologies



### Sub-Atlantic Mohican

Power: Electric:  Hydraulic: \_\_\_\_\_

Size (m): LxWxH: **1.15 x 0.77 x 0.8**

In-Air Weight (kg): **340**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **110** Vertical (Lift): **75**

Thrust Speed (kts):

Forward: **3.5** Lateral: **3.5** Vertical: **2**

# of Thrusters: **6**

Thruster Configuration: **4 (lateral) x 2 (vertical)**

Maximum Payload (kg): **35**

Max Through Frame Lift: **100kg**

Power Requirements: **15kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **4kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.f-e-t.com\subsea](http://www.f-e-t.com\subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include MMT, DOF Subsea, Seatrep-id, IKM, Innova, ASI, Innova/Abyss Mostrello



### Sub-Atlantic Mojave

Power: Electric:  Hydraulic: \_\_\_\_\_

Size (m): LxWxH: **1 x 0.6 x 0.5**

In-Air Weight (kg): **85**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **53** Vertical (Lift): **26**

Thrust Speed (kts):

Forward: **4** Lateral: **3** Vertical: **1.5**

# of Thrusters: **5**

Thruster Configuration: **4 (lateral) x 1 (vertical)**

Maximum Payload (kg): **12**

Max Through Frame Lift: **TBC**

Power Requirements: **4kW**

Deployment System: **Crane/Winch**

Tether Management System: **No**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **1.3kW**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.f-e-t.com\subsea](http://www.f-e-t.com\subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include Oceaneering, Cummings, Broadsea ROV, FPSS, Marine Innotech, Blue Water



### Sub-Atlantic Super Mohawk

Power: Electric:  Hydraulic: \_\_\_\_\_

Size (m): LxWxH: **1.4 x 0.9 x 0.85**

In-Air Weight (kg): **395**

Max Depth (m): **3000**

Thrust Bollard Pull (kgf):

Forward/Aft: **110** Vertical (Lift): **45**

Thrust Speed (kts):

Forward: **3** Lateral: **1.5** Vertical: **1.5**

# of Thrusters: **6**

Thruster Configuration: **4 (lateral) x 2 (vertical)**

Maximum Payload (kg): **90**

Max Through Frame Lift: **140kg**

Power Requirements: **15kW**

Deployment System: **Crane/Winch/LARS**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Customer Specified**

Camera Platform: **Customer Specified**

Lighting: **Customer Specified**

Navigation: **Customer Specified**

Manipulator: **Customer Specified**

Auto Functions: **Yes**

Auxiliary Tooling Power: **TBC (at least 4kW)**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.f-e-t.com\subsea](http://www.f-e-t.com\subsea)

Contact: **Sales**

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Customers include PDVSA, Seatrax, NOAA/NMSF

# ROVs . Inspections/Observation Workclass

## Inuktun Services Ltd



### Versatrax 100™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): 9

Max Depth (m): 30

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): 10.8

Max Through Frame Lift:

Power Requirements: 115/230VAC, 550W

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: Spectrum 45™

Camera Platform:

Lighting: High intensity LEDs

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://inuktun.com/crawler-vehicles/versatrax-100-micromag.html>

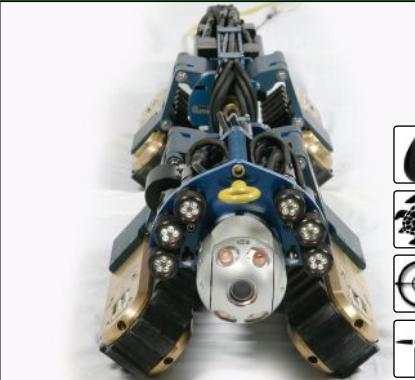
Contact: Jeff Christopherson

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

Mfr Notes: The Versatrax 100™ is a precise, portable crawler for operation in pipes as small as 4in/100mm. The easy-to-use inspection system penetrates up to 600ft/183m and overcomes obstacles and offset joints. The whole system fits in a vehicle and can be checked in an airline luggage.

## Inuktun Services Ltd.



### Versatrax 300™

Power: Electric:  Hydraulic:

Size (m): LxWxH:

In-Air Weight (kg): 104

Max Depth (m): 60

Thrust Bollard Pull (kgf):

Forward/Aft: Vertical (Lift):

Thrust Speed (kts):

Forward: Lateral: Vertical:

# of Thrusters:

Thruster Configuration:

Maximum Payload (kg): 181

Max Through Frame Lift:

Power Requirements: 220VAC, 5500W

Deployment System:

Tether Management System: Yes

Standard Equipment:

Camera: Spectrum 90™

Camera Platform:

Lighting: High intensity LEDs

Navigation:

Manipulator:

Auto Functions:

Auxiliary Tooling Power:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [inuktun.com/crawler-vehicles/versatrax-300.html](http://inuktun.com/crawler-vehicles/versatrax-300.html)

Contact: Jeff Christopherson

Email: [sales@inuktun.com](mailto:sales@inuktun.com)

URL to Distributors/Dealers/Agents: <http://inuktun.com/contact-us/>

Mfr Notes: The Versatrax 300™ is the solution to long range pipe inspection challenges. Able to inspect more than two kilometers in a single run, the versatile and customizable VT300 includes three onboard video cameras, multiple sensor options, and is operable in pipe as small as 12in/300mm internal diameter.

## JSC “Tetis Pro”



### ROV Marlin-350

Power: Electric:  Hydraulic:

Size (m): LxWxH: 0.85 x 0.59 x 0.45

In-Air Weight (kg): 60

Max Depth (m): 350

Thrust Bollard Pull (kgf):

Forward/Aft: 20 Vertical (Lift): 14

Thrust Speed (kts):

Forward: 2.5 Lateral: 2 Vertical: 2

# of Thrusters: 6

Thruster Configuration: Vector

Maximum Payload (kg): 5

Max Through Frame Lift: 15

Power Requirements: 3

Deployment System: 2 person portable

Tether Management System: No

Standard Equipment:

Camera: up to 4 analog cameras, 1 HD camera

Camera Platform: tilted +/- 90 deg

Lighting: 2 x LED, 40 watts each

Navigation: motion sensor, heading, depth

Manipulator: single functional

Auto Functions: depth, heading, roll

Auxiliary Tooling Power: 300 watts (48V and 12V)

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.tetis-pro.ru](http://www.tetis-pro.ru)

Contact: Dmitry Voytov, Dmitry Garbuzov

Email: [rov@tetis-pro.ru](mailto:rov@tetis-pro.ru)

URL to Distributors/Dealers/Agents: [www.tetis-pro.ru/catalog/333/5754/](http://www.tetis-pro.ru/catalog/333/5754/)

Mfr Notes: Marlin-350 is a lightweight, two man portable vehicle but still powerful platform developed for solving a wide variety of tasks. MARLIN-350 can perform inspections inshore, offshore and down tunnels, search and fasten objects. MARLIN-350 can support divers or assist with carrying heavy underwater works. Modern equipment and software of the vehicle provides high controllability. Well thought-out design makes it easy to maintain.

## Mariner Underwater Electronics



### IPPODAMUS PLUS

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.050 x 0.58 x 0.57**

In-Air Weight (kg): **95**

Max Depth (m): **1000**

Thrust Bollard Pull (kgf):

Forward/Aft: **80** Vertical (Lift): **60**

Thrust Speed (kts):

Forward: **3** Lateral: **2** Vertical: **2**

# of Thrusters: **4**

Thruster Configuration: **Brushless**

Maximum Payload (kg): **20**

Max Through Frame Lift:

Power Requirements: **110-240 VAC/3,5 KW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **2 X Hi Resolution Color, Laser**

Camera Platform: Tilt, PAL / NTSC

Lighting: **3 X 1400 LUMEN LED**

Navigation: Compass

Manipulator: **Optional (5 functions)**

Auto Functions: **AUTO DEPTH**

Auxiliary Tooling Power: Optional

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.mariner.gr](http://www.mariner.gr)

Contact: **Marinos Pittas**

Email: [marhge@otenet.gr](mailto:marhge@otenet.gr)

URL to Distributors/Dealers/Agents:

Mfr Notes: *IPPODAMUS PLUS is a larger version of IPPODAMUS + Fiber Optics Umbilical. Our ROVs can be customized and be equipped with a great variety of accessories and tools, according to buyer's needs*

## Mariner Underwater Electronics



### IPPODAMUS

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.050 x 0.58 x 0.57**

In-Air Weight (kg): **75**

Max Depth (m): **750**

Thrust Bollard Pull (kgf):

Forward/Aft: **32** Vertical (Lift): **16**

Thrust Speed (kts):

Forward: **2,5** Lateral: **2** Vertical: **2**

# of Thrusters: **4**

Thruster Configuration: **Brushless**

Maximum Payload (kg): **15**

Max Through Frame Lift:

Power Requirements: **110-240 VAC/3,5 KW**

Deployment System:

Tether Management System: **Yes**

Standard Equipment:

Camera: **2 X Hi Resolution Color, Laser**

Camera Platform: Tilt, PAL / NTSC

Lighting: **3 X 1400 LUMEN LED**

Navigation: Compass

Manipulator: **Optional (5 functions)**

Auto Functions: **Auto Depth**

Auxiliary Tooling Power: Optional

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.mariner.gr](http://www.mariner.gr)

Contact: **Marinos Pittas**

Email: [marhge@otenet.gr](mailto:marhge@otenet.gr)

URL to Distributors/Dealers/Agents:

Mfr Notes: *Our ROVs can be customized and be equipped with a great variety of accessories and tools, according to buyer's needs*

## Outland Technology



### ROV 1000

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.65 x 0.37 x 0.26**

In-Air Weight (kg): **17.7**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **15.8/6.4** Vertical (Lift): **3.2**

Thrust Speed (kts):

Forward: **3** Lateral: **1** Vertical: **1**

# of Thrusters: **4**

Thruster Configuration: **Vert/Lat/2 Hor**

Maximum Payload (kg): **3**

Max Through Frame Lift:

Power Requirements: **1800 Watts @ 110/220 VAC**

**50-60Hz**

Deployment System: **Hand**

Tether Management System: **No**

Standard Equipment:

Camera: **360° Tilt & Fixed Rear**

Camera Platform: **750 Line .001 Lux**

Lighting: **2 ea. 4300 Lumen LED**

Navigation: **Compass/Gyro**

Manipulator: **Single Function**

Auto Functions: **Depth & Heading**

Auxiliary Tooling Power: **300VDC 500W**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.outlandtech.com](http://www.outlandtech.com)

Contact: **Jeffrey Mayfield**

Email: [jeff@outlandtech.com](mailto:jeff@outlandtech.com)

URL to Distributors/Dealers/Agents: <http://www.outlandtech.com/contact.ph>

Mfr Notes: *Brushless DC, Magnetically Coupled Thrusters. Easy deployment and operation. All digital control of camera, lights, thrusters and grabber.*

# ROVs . Inspections/Observation Workclass

## Outland Technology



### ROV 2000

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.71 x 0.46 x 0.38**

In-Air Weight (kg): **25**

Max Depth (m): **300**

Thrust Bollard Pull (kgf):

Forward/Aft: **34/20** Vertical (Lift): **10**

Thrust Speed (kts):

Forward: **4** Lateral: **2** Vertical: **2**

# of Thrusters: **4**

Thruster Configuration: **Vert/Lat/2 Hor**

Maximum Payload (kg): **6**

Max Through Frame Lift:

Power Requirements: **3600 Watts @ 220 VAC 50-60Hz**

Deployment System: **Hand**

Tether Management System: **No**

Standard Equipment:

Camera: **360° Tilt & Fixed Rear**

Camera Platform: **750 Line .001 Lux**

Lighting: **2 ea. 4300 Lumen LED**

Navigation: **Compass/Gyro**

Manipulator: **Single Function**

Auto Functions: **Depth & Heading**

Auxiliary Tooling Power: **300VDC 500W**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: <http://www.outlandtech.com>

Contact: **Jeffrey Mayfield**

Email: [jeff@outlandtech.com](mailto:jeff@outlandtech.com)

URL to Distributors/Dealers/Agents: <http://www.outlandtech.com/contact.ph>

Mfr Notes: Brushless DC, Magnetically Coupled Thrusters. Easy deployment and operation. All digital control of camera, lights, thrusters and grabber.

## Submersible Systems Inc.



### TRV-005

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 1.2 x 0.5**

In-Air Weight (kg): **240**

Max Depth (m): **Client Specified**

Thrust Bollard Pull (kgf):

Forward/Aft: **150** Vertical (Lift): **100**

Thrust Speed (kts):

Forward: **6** Lateral: **Vertical:** **2**

# of Thrusters: **5**

Thruster Configuration: **Standard**

Maximum Payload (kg): **20**

Max Through Frame Lift: **1000**

Power Requirements: **25 kw**

Deployment System: **Client specified**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4**

Camera Platform: **2 x P/T, 2 x Fixed**

Lighting: **5 x Variable LED**

Navigation: **Gyro, Fluxgate**

Manipulator: **1 x 4 Function RHD**

Auto Functions: **Depth, Heading and Altitude**

Auxiliary Tooling Power: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.ssirovs.com](http://www.ssirovs.com)

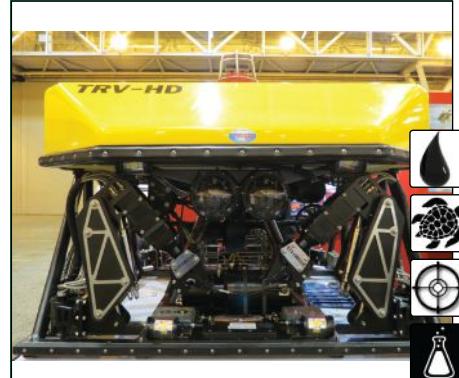
Contact: **Wolfgang Burnside**

Email: [Wolfgang@ssirovs.com](mailto:Wolfgang@ssirovs.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Ultimate ROV for serious Offshore Platform Inspections and Pipeline Survey Work, no other ROV comes close to the rugged, reliable and incredibly maneuverable TRV-005.

## Submersible Systems Inc.



### TRV-HD

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 1.2 x 1.4**

In-Air Weight (kg): **800**

Max Depth (m): **Client Specified**

Thrust Bollard Pull (kgf):

Forward/Aft: **Vertical (Lift): 150**

Thrust Speed (kts):

Forward: **5** Lateral: **Vertical:** **2**

# of Thrusters: **5 or 7**

Thruster Configuration: **Standard**

Maximum Payload (kg): **150**

Max Through Frame Lift: **2500 kg**

Power Requirements: **50kw**

Deployment System: **Client Specified**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4**

Camera Platform: **2 x P/T, 2 x Fixed**

Lighting: **5 x Variable LED**

Navigation: **Gyro, Fluxgate**

Manipulator: **2 x 5 Function RHD**

Auto Functions: **Depth, Heading and Altitude**

Auxiliary Tooling Power: **Client Specified**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

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Website: [www.ssirovs.com](http://www.ssirovs.com)

Contact: **Wolfgang Burnside**

Email: [Wolfgang@ssirovs.com](mailto:Wolfgang@ssirovs.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The TRV-HD Extreme is a serious, compact Workclass vehicle with a very small footprint. When offshore real estate is at a premium the TRV-HD is the only logical choice. Most Manipulator options are available.

## Submersible Systems Inc.



### TRV-M

Power: Electric:  Hydraulic:

Size (m): LxWxH: **1.5 x 1.2 x 0.6**

In-Air Weight (kg): **450**

Max Depth (m): **Client Specified**

Thrust Bollard Pull (kgf):

Forward/Aft: **150** Vertical (Lift): **100**

Thrust Speed (kts):

Forward: **5** Lateral: **0** Vertical:

# of Thrusters: **5 or 7**

Thruster Configuration: **Standard**

Maximum Payload (kg): **100**

Max Through Frame Lift: **1200 kg**

Power Requirements: **35 kw**

Deployment System: **Client Specified**

Tether Management System: **Yes**

Standard Equipment:

Camera: **4**

Camera Platform: **2 x P/T, 2 x Fixed**

Lighting: **5 x Variable LED**

Navigation: **Gyro , Fluxgate**

Manipulator: **2 x 4 Function RHD**

Auto Functions: **Depth, Heading and Altitude**

Auxiliary Tooling Power: **Client Specified**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.ssirovs.com](http://www.ssirovs.com)

Contact: **Wolfgang Burnside**

Email: [Wolfgang@ssirovs.com](mailto:Wolfgang@ssirovs.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: A versatile vehicle often undertaking Workclass tasks in areas that prohibit access to larger Vehicles. The moderate payload also allows the secure attachment of additional Equipment / Sensors to the T6061 Aluminum frame. The TRV-M high mass / Thrust ensures easy transitions from the Surface to the Seabed to either its standard depth rating of 1000m or to the optional 3000m depth rating.

## SUBSEA TECH



### Mini-ROV Guardian 3.0

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.47 x 0.25 x 0.16**

In-Air Weight (kg): **4.5**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: **4x1** Vertical (Lift):

Thrust Speed (kts):

Forward: **4** Lateral: **0** Vertical: **1**

# of Thrusters: **5**

Thruster Configuration: **4 horizontal, 1 vertical**

Maximum Payload (kg): **0.8**

Max Through Frame Lift: **5kg**

Power Requirements: **220 VAC (110 VAC on demand)**

Deployment System: **Single operator, All in one transport case (60x50x38cm) with wheels and handle, total weight 29kg (vehicle, console, 100m cable)**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Color, 600 TVL, 0.15 lux**

Camera Platform: **Pan&tiltunit integrated on front camera, optional on rear camera**

Lighting: **Front LED lighting 2x900 lumen, rear LED lighting 2x65**

Navigation: **Compass, Depth, Temperature, Leak detector**

Manipulator: **Console integrated in a waterproof case: screen and digital recorder/reader in the lid; joysticks, touchpad and connectors in the base**

Auto Functions: **Heading, Depth, Up/Down, Speed**

Auxiliary Tooling Power: **Ancillary plug, Fischer connector**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

[View PDF:](#)

Website: [www.subsea-tech.com/html/index.php/en/component/k2/item/3-guardian-3-0](http://www.subsea-tech.com/html/index.php/en/component/k2/item/3-guardian-3-0)

Contact: **Gregory Maurin**

Email: [st.sales@subsea-tech.com](mailto:st.sales@subsea-tech.com)

URL to Distributors/Dealers/Agents: [www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map](http://www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map)

Mfr Notes: The Guardian 3.0 is an ultraportable underwater inspection robot, thanks to its 4 horizontal and one vertical thrusters it can be operated down to 150m depth. Fitted with two high resolution color cameras, one on pan&tilt, and LED lighting. Embedded batteries allow for 4h of autonomy and operation in the most remote locations down to 150m depth. Thanks to an ancillary plug, various accessories such as sonars, gauges and a manipulator arm can be easily mounted on the Observer

## SUBSEA TECH



### Mini-ROV Observer 4.0

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0.49x0.27x0.21**

In-Air Weight (kg): **6.4**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: **2x1** Vertical (Lift): **1**

Thrust Speed (kts):

Forward: **3** Lateral: **0** Vertical: **1**

# of Thrusters: **3**

Thruster Configuration: **2 horizontal, 1 vertical**

Maximum Payload (kg): **0.8**

Max Through Frame Lift: **5kg**

Power Requirements: **NiMH accumulators, 4h autonomy (vehicle + console), 220 VAC (110 VAC on demand), operation and simultaneous battery recharging**

Deployment System: **Single operator, All in one transport case (60x50x38cm) with**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Color camera, 600TVL, 0.15 lux**

Camera Platform: **Pan&tiltunit integrated on front camera, optional on rear camera**

Lighting: **Front LED lighting 2x900 lumen, rear LED**

**Navigation: Compass, Depth, Temperature, Leak detector**

**Manipulator: Console integrated in a waterproof case: screen and digital recorder/reader in the lid; joysticks, touchpad and connectors in the base**

**Auto Functions: Heading, Depth, Up/Down, Speed**

**Auxiliary Tooling Power: Ancillary plug, Fischer connector**

**Optional Equipment Available: Yes**

**Vehicle can be buyer customized: Yes**

[View PDF:](#)

Website: [www.subsea-tech.com/html/index.php/en/component/k2/item/4-observer-4-0](http://www.subsea-tech.com/html/index.php/en/component/k2/item/4-observer-4-0)

Contact: **Gregory Maurin**

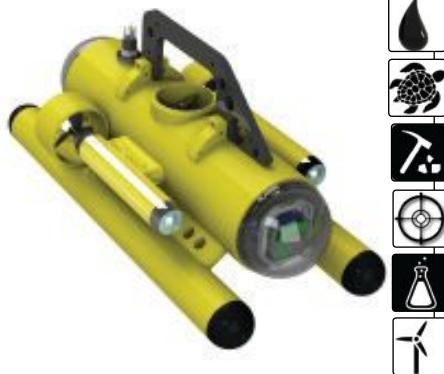
Email: [st.sales@subsea-tech.com](mailto:st.sales@subsea-tech.com)

URL to Distributors/Dealers/Agents: [www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map](http://www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map)

Mfr Notes: The Observer 4.0 is an ultraportable underwater inspection fitted with two high resolution color cameras, one on pan&tilt, and LED-lighting. Embedded batteries allow for 4h of autonomy and operation in the most remote locations down to 150m depth. Thanks to an ancillary plug, various accessories such as sonars, gauges and a manipulator arm can be easily mounted on the Observer

# ROVs . Inspections/Observation Workclass

## SUBSEA TECH



### Mini-ROV Sentinel 3.0

Power: Electric:  Hydraulic:

Size (m): LxWxH: **0,49x0,27x0,21**

In-Air Weight (kg): **6,4**

Max Depth (m): **150**

Thrust Bollard Pull (kgf):

Forward/Aft: **2x1** Vertical (Lift): **1**

Thrust Speed (kts):

Forward: **3** Lateral: **0** Vertical: **1**

# of Thrusters: **3**

Thruster Configuration: **2 horizontal, 1 vertical**

Maximum Payload (kg): **0,8**

Max Through Frame Lift: **5kg**

Power Requirements: **NiMH accumulators, 4h autonomy (vehicle + console), 220 VAC (110 VAC on demand), operation and simultaneous battery recharging**

Deployment System: **Single operator, All in one transport case (60x50x38cm) with**

Tether Management System: **Yes**

Standard Equipment:

Camera: **Color camera, 600TVL, 0.15 lux**

Camera Platform: **Pan&tiltunit integrated on front camera, optional on rear camera**

Lighting: **Front LED lighting 2x900 lumen, rear LED**

Navigation: **Compass, Depth, Temperature, Leak detector**

Manipulator: **Console integrated in a waterproof case: screen and digital recorder/reader in the lid; joysticks, touchpad and connectors in the base**

Auto Functions: **Heading, Depth, Up/Down, Speed**

Auxiliary Tooling Power: **Ancillary plug, Fischer connector**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.subsea-tech.com/html/index.php/en/component/k2/item/4-observer-4-0](http://www.subsea-tech.com/html/index.php/en/component/k2/item/4-observer-4-0)

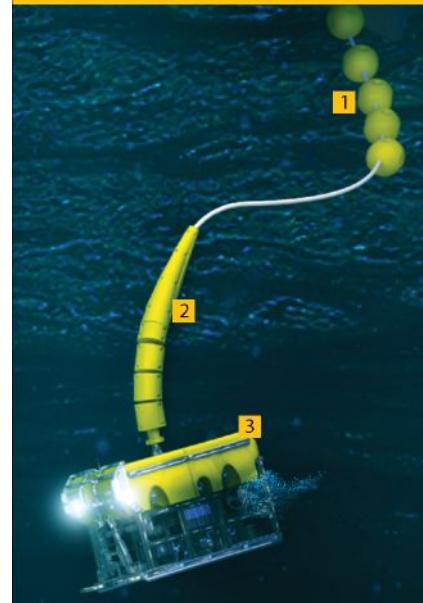
Contact: [Gregory Maurin](mailto:gregory.maurin@subsea-tech.com)

Email: [st.sales@subsea-tech.com](mailto:st.sales@subsea-tech.com)

URL to Distributors/Dealers/Agents: [www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map](http://www.subsea-tech.com/html/index.php/fr/component/contactmap/?view=contactmap&layout=map)

Mfr Notes:

# ROV,AUV BUOYANCY & UMBILICAL FLOTATION



### 1 Umbilical floats

A standard range of floats is available to suit most control umbilicals. Comprising symmetrical half shells Balmoral floats are designed to permit flexing within specified bend radii.

### 2 Flexlink™ articulated umbilical buoyancy

Designed to ensure umbilical lines remain out of the ROV work zone, Flexlink is installed onto lines of 25-75mm with uplifts of 6-12kg in operating depths to 6000msw.

### 3 ROV buoyancy

Offering a full in-house service Balmoral Offshore Engineering designs and creates intricate ROV/AUV buoyancy profiles with virtually no size limitation. Balmoral's unique composite and pure foam systems are designed to operate at depths of 1000-10,000msw.

The company's refurbished ROV plant incorporates an end-to-end process that includes temperature controlled curing facilities and a state-of-the-art buoyancy block boring and milling plant.



**BALMORAL**  
Balmoral Offshore Engineering  
[offshore-sales@balmoral.co.uk](mailto:offshore-sales@balmoral.co.uk)  
[www.balmoraloffshore.com](http://www.balmoraloffshore.com)



# ROV Trenchers

## Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## Forum Subsea Technologies



## Forum Subsea Technologies



### Perry XT300

Size (m): LxWxH: 4.2 x 3.73 x 3.1

In-Air Weight (te): 9

In-Water Weight (te): 0.5

Max Depth (m): 3000

Max Bollard Pull (te): 1.1

Max Cut Depth (m): 3

Max Product Handling (m): 0.36

Surveillance Equipment:

Cameras: Customer Specified

Pan & Tilt: Customer Specified

Lights: Customer Specified

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter:

Hydrophone: No

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.f-e-t.com/our\\_products\\_technologies/subsea-solutions/perry-slingsby-trenchers-overview/triton-xt300/](http://www.f-e-t.com/our_products_technologies/subsea-solutions/perry-slingsby-trenchers-overview/triton-xt300/)

Contact: Sales

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

### Perry XT600

Size (m): LxWxH: 5.89 x 3.6 x 3.3

In-Air Weight (te): 17

In-Water Weight (te): 1.5

Max Depth (m): 3000

Max Bollard Pull (te): 2

Max Cut Depth (m): 3

Max Product Handling (m): 0.36

Surveillance Equipment:

Cameras: Customer Specified

Pan & Tilt: Customer Specified

Lights: Customer Specified

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter:

Hydrophone: No

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.f-e-t.com/our\\_products\\_technologies/subsea-solutions/perry-slingsby-trenchers-overview/triton-xt600/](http://www.f-e-t.com/our_products_technologies/subsea-solutions/perry-slingsby-trenchers-overview/triton-xt600/)

Contact: Sales

Email: [subsea.sales@f-e-t.com](mailto:subsea.sales@f-e-t.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## SMD



*Image Courtesy of Technip* 

### CBT1100

Size (m): LxWxH: 13.5 x 6.7.5 x 5.5

In-Air Weight (te): 50.0

In-Water Weight (te):

Max Depth (m): 1000

Max Bollard Pull (te):

Max Cut Depth (m): 3.0

Max Product Handling (m): 0.3

Surveillance Equipment:

Cameras: Up to 8 (HDTV optional)

Pan & Tilt: Up to 6 24V P&T units

Lights: Up to 12 x 250V Dimmable LED

subsea lamps (Dimmed in groups)

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: <http://www.smd.co.uk/products/tractors-self-propelled/cbt1100.htm>

Contact: Graeme Jaques

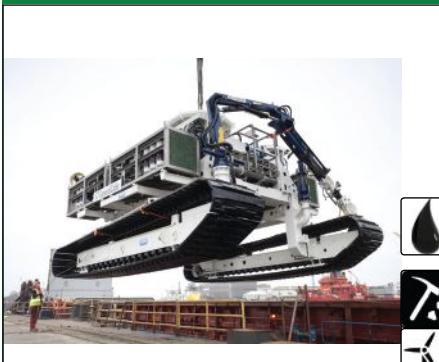
Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes: Provides a soft to hard ground burial solution in one neat package. Fully amphibious 800kW vehicle. Equipped with a powerful chain cutter, dredge pump and jet legs. A well proven chain cutter deployment system allows post lay burial of cable up to 300mm and 4.0m MBR. Optional features: intervention manipulator with jetting, two grab functions, semi automatic or work class ROV emergency cable cable eject systems, spoil backfill system and rapid recovery, shallow water umbilical guided lift bullet system.

# ROVs .Trenchers

SMD



**CBT 2100**

Size (m): LxWxH: **14.5x7.5x5.5**

In-Air Weight (te): **60**

In-Water Weight (te):

Max Depth (m): **1000msw**

Max Bollard Pull (te): **n/a (self propelled)**

Max Cut Depth (m): **3.5**

Max Product Handling (m): **0.8**

Surveillance Equipment:

Cameras: **Up to 8 HDTV optional**

Pan & Tilt: **Up to 6 24V units**

Lights: **Up to 12 250V**

Obstacle Avoidance: **Yes**

Gyroscope: **Yes**

Responder/Transponder: **Yes**

Echosounder/Altimiter: **Yes**

Hydrophone: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.smd.co.uk/products/tractors-self-propelled/cbt2100.htm](http://www.smd.co.uk/products/tractors-self-propelled/cbt2100.htm)

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents: **NSW**

Mfr Notes: Draws on SMD's experience of track driven vehicles, trenching and cable handling subsea to provide a soft to hard ground burial solution. A fully amphibious vehicle equipped with interchangeable tooling cassettes including powerful chain cutter, dredge pump and jet legs.

SMD



**CBT3200**

Size (m): LxWxH: **14.5 x 7.5 x 5.5**

In-Air Weight (te): **60.0**

In-Water Weight (te):

Max Depth (m): **1000**

Max Bollard Pull (te):

Max Cut Depth (m): **3.5**

Max Product Handling (m): **0.8**

Surveillance Equipment:

Cameras: **Up to 8 (HDTV optional)**

Pan & Tilt: **Up to 6 24V P&T units**

Lights: **Up to 12 x 250V Dimmable LED subsea lamps (Dimmed in groups)**

Obstacle Avoidance: **Yes**

Gyroscope: **Yes**

Responder/Transponder: **Yes**

Echosounder/Altimiter: **Yes**

Hydrophone: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: <http://www.smd.co.uk/products/tractors-self-propelled/cbt3200.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents: **x**

Mfr Notes: Provides a soft or hard ground burial solution in one neat package. Also available as a burial tractor configured for pipeline burial. Equipped with a selection of powerful chain cutter trenching tools, dredge pumps and jet legs. Well proven chain cutter deployment systems allow pre or post-lay burial of cables up to 300mm diameter and 5.0m MBR, and pipelines up to 1.5m diameter. Offers a turnkey, integrated solution including SMD designed high sea state LARS and umbilical systems.

SMD



**QTrencher 400**

Size (m): LxWxH: **3.8x3.2-4.6x2.5**

In-Air Weight (te): **9.5**

In-Water Weight (te): **buoyant**

Max Depth (m): **3000msw**

Max Bollard Pull (te): **N/A (self propelled)**

Max Cut Depth (m): **2**

Max Product Handling (m): **N/A**

Surveillance Equipment:

Cameras: **Up to 8. HDTV Optional**

Pan & Tilt: **Up to 6 24V units**

Lights: **Up to 12 250V**

Obstacle Avoidance: **Yes**

Gyroscope: **Yes**

Responder/Transponder: **Yes**

Echosounder/Altimiter: **Yes**

Hydrophone: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.smd.co.uk/products/trenchers-self-propelled/qtrencher-400.htm](http://www.smd.co.uk/products/trenchers-self-propelled/qtrencher-400.htm)

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents: **E-Marine**

## SMD



### QTrencher 600

Size (m): LxWxH: 5x4.2-5x3.3

In-Air Weight (te): 17

In-Water Weight (te): buoyant

Max Depth (m): 2500msw

Max Bollard Pull (te): n/a (self propelled)

Max Cut Depth (m): 3

Max Product Handling (m): N/A

Surveillance Equipment:

Cameras: up to 8 HDTV optional

Pan & Tilt: Up to 6 24V P&T units

Lights: Up to 12 250V

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter: Yes

Hydrophone:

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: <http://www.smd.co.uk/products/trenchers-self-propelled/qtrencher-1000.htm>

Contact: Graeme Jaques

Email: graeme.jaques@smd.co.uk

URL to Distributors/Dealers/Agents:

Mftr Notes: Uses high voltage supply to provide effective cable maintenance with other specialised tasks. Purpose designed for maximum jetting and thrust performance. Optimised with a single 4.1kV hydraulic power unit to achieve 600hp in a compact package. Turnkey solution including SMD designed high sea state LARS and umbilical.

## SMD



### QTrencher 1000

Size (m): LxWxH: 5.4 x 4.2 x 3.3

In-Air Weight (te): 21

In-Water Weight (te): Neutral

Max Depth (m): 2000

Max Bollard Pull (te): 2.1

Max Cut Depth (m): 2.0

Max Product Handling (m): N/A

Surveillance Equipment:

Cameras: up to 8 HDTV optional

Pan & Tilt: Up to 6 24V P&T units

Lights: up to 12 x 250V (2 x 400W HMI optional)

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: <http://www.smd.co.uk/products/trenchers-self-propelled/qtrencher-1000.htm>

Contact: Graeme Jaques

Email: graeme.jaques@smd.co.uk

URL to Distributors/Dealers/Agents:

Mftr Notes: Provides high power trenching capability for the burial of cables, umbilical and small diameter pipes up to 3m deep. Uses variable high flow or high pressure jetting to optimize the trenching to suit the conditions. Can also deploy a rear eductor to enhance burial of large diameter product. With its high thrust, the ROV can perform rapid post lay survey. Can also be fitted with a suite of tools for maintenance operations.

## SMD



### QTrencher 1400

Size (m): LxWxH: 7.8 x 6.5 x 5.0

In-Air Weight (te): 30-40

In-Water Weight (te): Neutral

Max Depth (m): 3000

Max Bollard Pull (te): 1.0

Max Cut Depth (m): 3.5

Max Product Handling (m): N/A

Surveillance Equipment:

Cameras: up to 8 HDTV optional

Pan & Tilt: Up to 5 24V P&T units

Lights: Up to 12 x 250V (2 x 400W HMI optional)

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: <http://www.smd.co.uk/products/trenchers-self-propelled/qtrencher-1400.htm>

Contact: Graeme Jaques

Email: graeme.jaques@smd.co.uk

URL to Distributors/Dealers/Agents:

Mftr Notes: High powered free-swimming jet trencher. Optional track drive for enhanced burial capability. Optional tracked skids for bespoke tool deployment. More than 1.0 megawatt of total power. Delivers 0.75 megawatts of variable high pressure jetting power for trenching and up to 200kw of low pressure water jetting for trench backwash, eduction or trench collapse. Sets new standard in severe weather deployment operation. Sea state 6 as standard. Able to deploy ROV in buoyant or heavy mode up to 18fe.

# ROVs • Trenchers

SMD



## QTrencher 2800

Size (m): LxWxH: **7.8 x 7.8 x 5.6**

In-Air Weight (te): **60**

In-Water Weight (te): **Neutral**

Max Depth (m): **1500**

Max Bollard Pull (te): **5.8**

Max Cut Depth (m): **2.3**

Max Product Handling (m): **N/A**

Surveillance Equipment:

Cameras: **2 x color zoom 6 x monochrome**

**SIT equivalent**

Pan & Tilt: **Up to 5 24V P&T units**

Lights: **up to 12 x 250V (dimmed individually)**

Obstacle Avoidance: **Yes**

Gyroscope: **Yes**

Responder/Transponder: **Yes**

Echosounder/Altimiter: **Yes**

Hydrophone: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: <http://www.smd.co.uk/products/trenchers-self-propelled/qtrencher-2800.htm>

Contact: **Graeme Jaques**

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

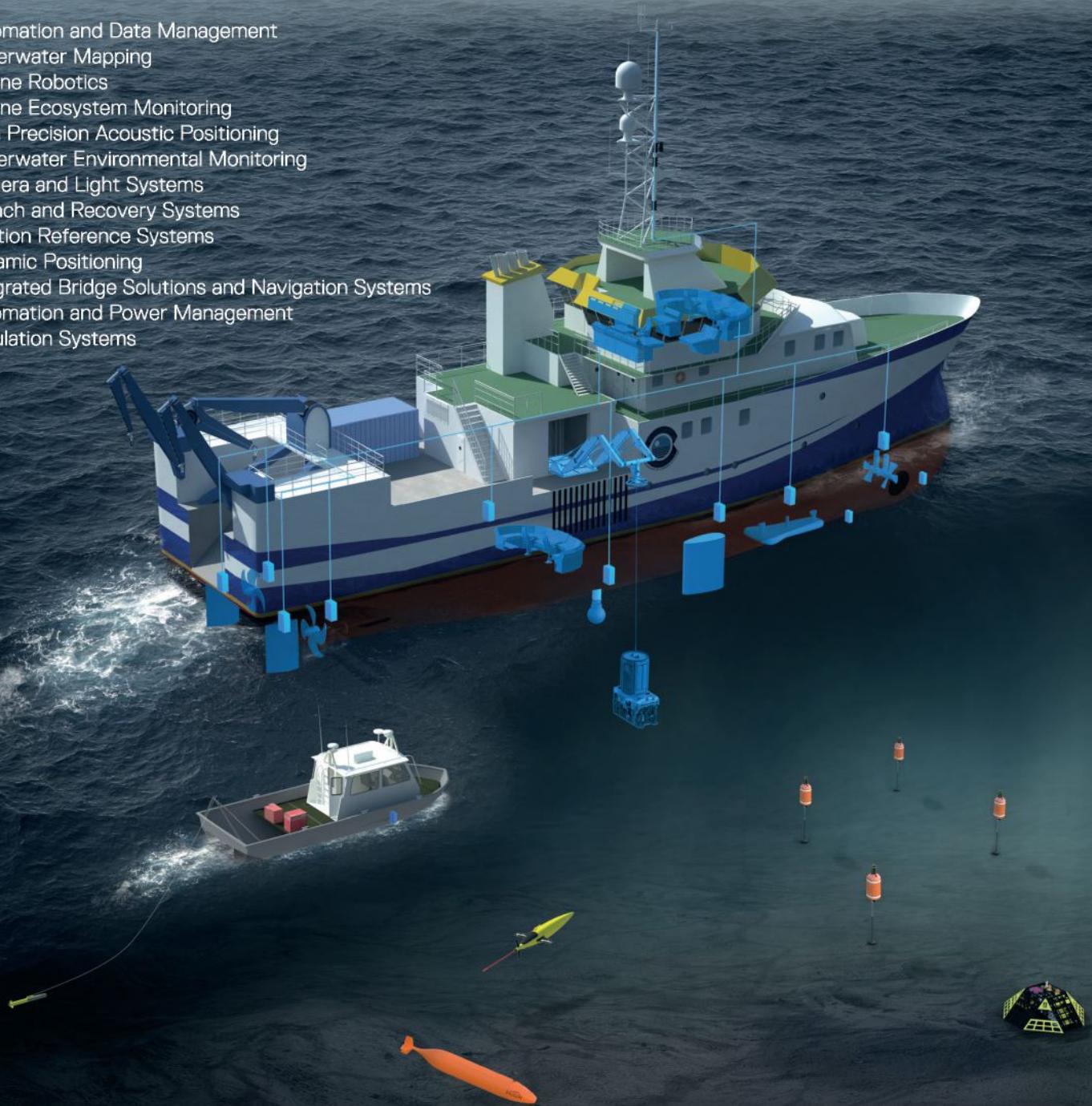
Mfr Notes: *The 60Te QTrencher (QT) 2800 remotely operated vehicle (ROV) is the world's most powerful free-swimming jet trencher. With more than 2 megawatts of total power, the trencher delivers 1.5 megawatts of jetting power. The complete system spread sets a new standard in severe weather deployment and operation.*



# THE FULL PICTURE FOR OCEAN SCIENCE

FULLY INTEGRATED SOLUTIONS FROM KONGSBERG MARITIME

- Automation and Data Management
- Underwater Mapping
- Marine Robotics
- Marine Ecosystem Monitoring
- High Precision Acoustic Positioning
- Underwater Environmental Monitoring
- Camera and Light Systems
- Launch and Recovery Systems
- Position Reference Systems
- Dynamic Positioning
- Integrated Bridge Solutions and Navigation Systems
- Automation and Power Management
- Simulation Systems



# AUVs

## Market Symbols



Defence



Seabed  
Mining



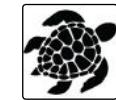
Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## Atlas Elektronik UK Ltd



### ARCIMS

Size (m): LxWxH: 11.2 x 3.4 x 4.4

In-Air Weight (kg): 8500

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 4000

LARS: For UUV's

Max Depth (m): Draught 0.6

Nominal Speed (knots): 6-15

Max Speed (knots): >40

Endurance (hrs): 12+

Hovering Capability: No

Standard Equipment: Minesweeping Equipment

LARS for UUV's

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.uk.atlas-elektronik.com](http://www.uk.atlas-elektronik.com)

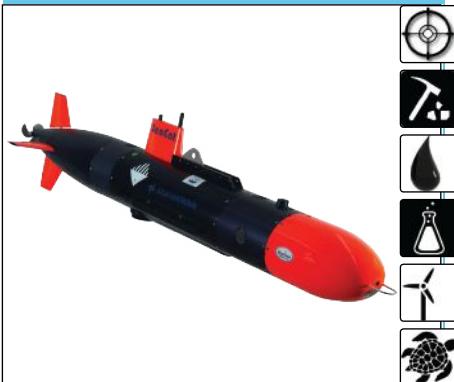
Contact: [Enquiries](#)

Email: [enquiries@uk.atlas-elektronik.com](mailto:enquiries@uk.atlas-elektronik.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## Atlas Elektronik GmbH



### SeaCat

Size (m): LxWxH: 2.60 - 3.20

In-Air Weight (kg): 140 - 180

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): SwapHead System, 40

LARS: 30 years field proven patented system

Max Depth (m): 600

Nominal Speed (knots): 4

Max Speed (knots): 7

Endurance (hrs): 8-16

Hovering Capability: Yes

Standard Equipment: Sidescan Sonar + several

SwapHeads available (such as MBES, FLS, CTD, 360°

Camera System, PanTilt Camera, towed Magnetometer

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.atlas-elektronik.com](http://www.atlas-elektronik.com)

Contact: [Tommy Kaltoven](#)

Email: [tommy.kaltoven@atlas-elektronik.com](mailto:tommy.kaltoven@atlas-elektronik.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: SeaCat is a hybrid AUV/Rov System with a FOC Link of 1000m. It can be supplemented by a multitude of sensors, located in a flooded bow section. The SwapHead - is exchangeable in the field within minutes and allows a wide range of high demanding missions that otherwise would require different types of vehicles.

## Atlas Elektronik GmbH



### SeaOtter

Size (m): LxWxH: 3.70 x 1.20 x 0.98

In-Air Weight (kg): 1300

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): integrated, 180

LARS: 30 years field proven patented system

Max Depth (m): 600

Nominal Speed (knots): 4

Max Speed (knots): 7

Endurance (hrs): 24

Hovering Capability: Yes

Standard Equipment: Side Scan Sonar, Forward

Looking Sonar, Multibeam Echo Sounder, Dop-

pler Velocity Log, INS, GPS, Iridium, VHF Pinger,

CTD, Synthetic Aperture Sonar (option)

Optional Equipment Available: No

Vehicle can be buyer customized:

View PDF:

Website: [www.atlas-elektronik.com](http://www.atlas-elektronik.com)

Contact: [Tommy Kaltoven](#)

Email: [tommy.kaltoven@atlas-elektronik.com](mailto:tommy.kaltoven@atlas-elektronik.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: SeaOtter has extraordinary robust navigation due to high grad of redundancy. Link System and integration in Combat Management Systems possible. Propulsion for military robustness requirements. Low signature. Military from the first sketch.

# AUVs

## Aquabotix



## Battelle / Huntington Ingalls



## Boston Engineering



### Hybrid ARV

Size (m): LxWxH: 0.37 x 1.09 x 0.30

In-Air Weight (kg): 16.3

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 3.6

LARS:

Max Depth (m): 300

Nominal Speed (knots): 2

Max Speed (knots): 5

Endurance (hrs): 4+

Hovering Capability: Yes

Standard Equipment: Side Scan Sonar, GPS,

Depth, Temperature and Orientation Sensors.

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.aquabotix.com](http://www.aquabotix.com)

Contact: Dawn Doraz

Email: [dawn@aquabotix.com](mailto:dawn@aquabotix.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Hybrid ARV, autonomous remote vehicle, can be operated in AUV mode for long range searches or a tether can be attached for ROV operation. Additional equipment available

### Proteus - Dual-Mode Underwater Vehicle

Size (m): LxWxH: 7.89 x 1.62 x 1.62

In-Air Weight (kg): 3745

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 488

LARS: Dockside crane

Max Depth (m): 61

Nominal Speed (knots): 3-5

Max Speed (knots): 10

Endurance (hrs): 115 hr @ 3 knots

Hovering Capability: Yes

Standard Equipment: FreeWave & VHF (surface

comms); Benthos modem; 1Tbyte data storage;

Cargo-bay door; 4.8m<sup>3</sup> payload volume; 28vDC

payload power; external cargo pods

Optional Equipment Available: X

Vehicle can be buyer customized:

View PDF:

Website: [http://www.battelle.org/docs/doing-business-/battelle\\_proteus.pdf?sfvrsn=2](http://www.battelle.org/docs/doing-business-/battelle_proteus.pdf?sfvrsn=2)

Contact: Bob Geoghegan

Email: [geoghegr@battelle.org](mailto:geoghegr@battelle.org)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Proteus DMUV is available for sale or lease. It can be viewed in Panama City, FL. Operations can be manned or unmanned. Large internal volume and ballasting capacity make it amenable to many payloads. Integration and operation support is available.

Size (m): LxWxH:

In-Air Weight (kg):

Crane Required:

Man-Portable:

Maximum Payload (kg):

LARS:

Max Depth (m):

Nominal Speed (knots):

Max Speed (knots):

Endurance (hrs):

Hovering Capability:

Standard Equipment:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.boston-engineering.com](http://www.boston-engineering.com)

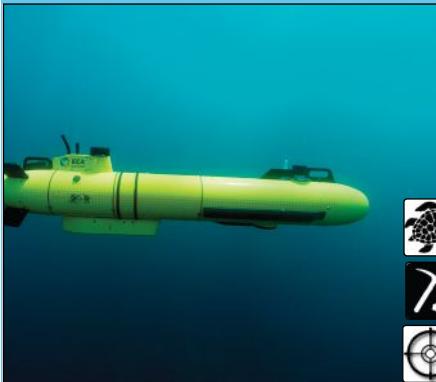
Contact:

Email: [marketing@boston-engineering.com](mailto:marketing@boston-engineering.com)

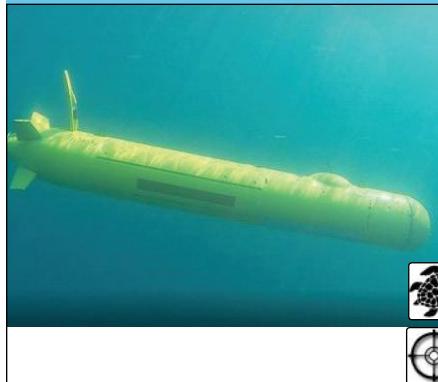
URL to Distributors/Dealers/Agents:

Mfr Notes: GhostSwimmer™ is a stealthy, biomimetic AUV used for various military missions including surveillance, mine countermeasures, port security, and other defense and homeland security initiatives. Boston Engineering's technology replicates the dynamics of biological fish to move more rapidly, more accurately, and in more challenging areas than other marine technology solutions.

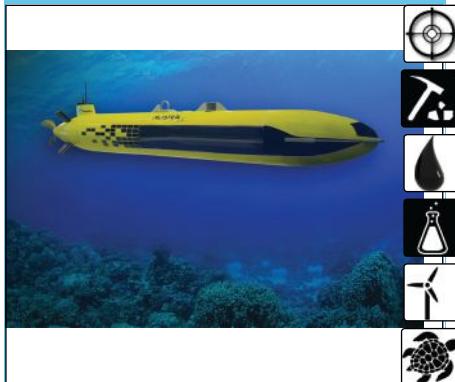
## ECA GROUP



## ECA GROUP



## ECA GROUP



**A9 (A9-M / A9-S / A9-E)**

Size (m): LxWxH: 2 x 0.4 x 0.5

In-Air Weight (kg): 70

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 25

LARS: Optional

Max Depth (m): 200

Nominal Speed (knots): 3 - 4

Max Speed (knots): 5

Endurance (hrs): 10 to 20

Hovering Capability: No

Standard Equipment: FOG INS - ADCP/DVL - DGPS

OAS - SSS or ISSS, CTD, Video and lights

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View](#)

Website: [www.ecagroup.com/en/solutions/](http://www.ecagroup.com/en/solutions/)

intelligence-autonomous-underwater-vehicle

Contact: Valentin Hanns

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mftr Notes: 3 different versions are available. One with reduced magnetic and acoustic signature. A9-S for seabed imagery. A9-E with interferometric SSS.

Size (m): LxWxH: 3.8 x 0.50 x 0.50

In-Air Weight (kg): From 370

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 75

LARS: different types available

Max Depth (m): 300

Nominal Speed (knots): 3 - 4

Max Speed (knots): 6

Endurance (hrs): 24

Hovering Capability: No

Standard Equipment: FOG INS - ADCP/DVL - DGPS

SSS - SBP, MBES - CTD - Video and lights FLS

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.ecagroup.com/en/solutions/a18-s](http://www.ecagroup.com/en/solutions/a18-s)

Contact: Valentin Hanns

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mftr Notes: Modular and flexible platform for high resolution 3D survey. Special Order compliant.

Size (m): LxWxH: 5.2 x 0.50 x 0.50

In-Air Weight (kg):

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 75

LARS: different types available

Max Depth (m): 3000

Nominal Speed (knots): 3 - 4

Max Speed (knots): 6

Endurance (hrs): 20

Hovering Capability: No

Standard Equipment: FOG INS - ADCP/DVL - DGPS

ISAS or SSS - SBP, MBES - CTD - Video and lights FLS

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.ecagroup.com/en/find-your-eca-solutions](http://www.ecagroup.com/en/find-your-eca-solutions)

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mftr Notes: Deep water modular and flexible platform for high resolution 3D survey.

# AUVs

## ECA GROUP



**A18S**

Size (m): LxWxH: from 3.8 m

In-Air Weight (kg): from 370

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 150

LARS: different types available

Max Depth (m): 5-300

Nominal Speed (knots): 3

Max Speed (knots): up to 3

Endurance (hrs): 20

Hovering Capability: No

Standard Equipment: FOG INS - ADCP/DVL - DGPS

ISAS or SSS - SBP - MBES - CTD - Video and lights FLS

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

[View PDF:](#)

[Website: www.ecagroup.com/en/find-your-eca-solutions](http://www.ecagroup.com/en/find-your-eca-solutions)

Contact:

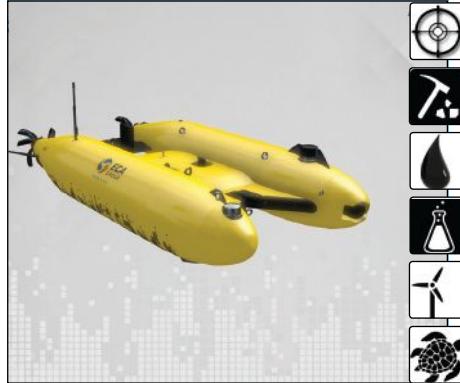
Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: AUV with interformetric synthetic Aperture Sonar (ISAS)

- Easy launch and recovery in bad sea state condition
- Extended coverage and endurance capacities
- User friendly mission management system

## ECA GROUP



**A18T**

Size (m): LxWxH: 2.6 x 1.5 x 0.6

In-Air Weight (kg): 500

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 50

LARS: different types available

Max Depth (m): 300

Nominal Speed (knots): 3 - 4

Max Speed (knots): 5

Endurance (hrs): 15

Hovering Capability: Yes

Standard Equipment: FOG INS - ADCP/DVL -

DGPS HF Sonar - SSS, Video and lights

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

[View PDF:](#)

[Website: www.ecagroup.com/en/find-your-eca-solutions](http://www.ecagroup.com/en/find-your-eca-solutions)

Contact:

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mfr Notes:

## ECA GROUP



**A27 (A27-E / A27-M)**

Size (m): LxWxH: From 4.5 x 0.73 x 0.73

In-Air Weight (kg): From 850

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 150

LARS: different types available

Max Depth (m): 300

Nominal Speed (knots): 3 - 4

Max Speed (knots): 6

Endurance (hrs): 40

Hovering Capability: No

Standard Equipment: FOG INS - ADCP/DVL - DGPS

ISAS or SSS - SBP, MBES - CTD - Video and lights FLS

Optional Equipment Available: Yes

Vehicle can be buyer customized:

[View PDF:](#)

[Website: www.ecagroup.com/en/find-your-eca-solutions](http://www.ecagroup.com/en/find-your-eca-solutions)

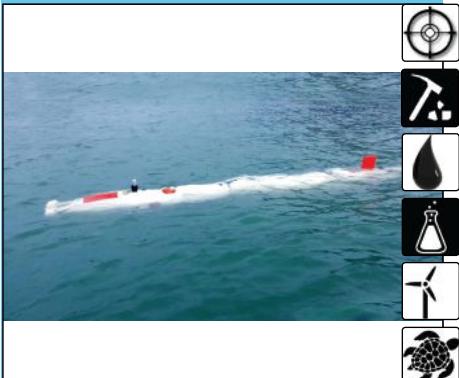
Contact: Valentin Hanns

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

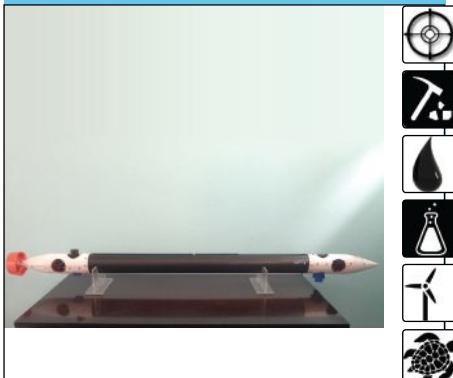
URL to Distributors/Dealers/Agents:

Mfr Notes: Long endurance modular and flexible platform for high resolution 3D survey. A27-M with reduced acoustic signature, A27-E for civil applications.

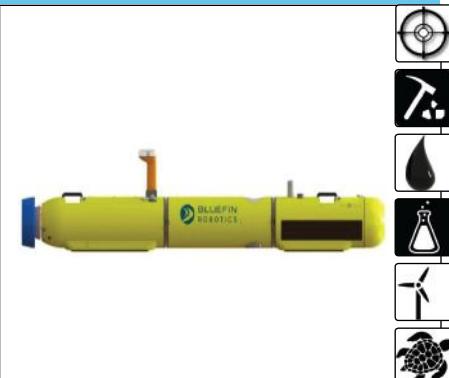
## Edgelab Srl



## Edgelab Srl



## General Dynamics Mission Systems



### U-Mapper

Size (m): LxWxH: 3.5 x 0.320 x 0.320

In-Air Weight (kg): 180

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 30

LARS: No

Max Depth (m): 300

Nominal Speed (knots): 4

Max Speed (knots): 7

Endurance (hrs): 8+

Hovering Capability: Yes

Standard Equipment: INS Navigation, GPS/Iridium

Localization, WiFi/GPRS Communication, Emergency Recovery

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.edgelab.eu/products.html](http://www.edgelab.eu/products.html)

Contact: Lavinio Gualdesi

Email: [lavinio.gualdesi@edgelab.eu](mailto:lavinio.gualdesi@edgelab.eu)

URL to Distributors/Dealers/Agents:

[www.edgelab.eu/products.html](http://www.edgelab.eu/products.html)

Mfr Notes: Smart, low-cost, heavy-duty, cooperative swarm navigation, modular approach for easy integration of AUV size payloads, customized, high quality maps from better image reconstruction methods and improved location accuracy of AUVs, fast and low cost horizontal surveys of large areas with multimodal sensing, monitor changes via back-to-the-site missions, hybrid usage ROV/AUV.

### U-Tracker

Size (m): LxWxH: 2.3 x 0.120 x 0.120

In-Air Weight (kg): 15

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 2

LARS: No

Max Depth (m): 1000

Nominal Speed (knots): 2

Max Speed (knots): 4

Endurance (hrs): 8+

Hovering Capability: Yes

Standard Equipment: INS Navigation, GPS/Iridium

Localization, WiFi/GPRS Communication, Emergency Recovery

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.edgelab.eu/products.html](http://www.edgelab.eu/products.html)

Contact: Lavinio Gualdesi

Email: [lavinio.gualdesi@edgelab.eu](mailto:lavinio.gualdesi@edgelab.eu)

URL to Distributors/Dealers/Agents:

[www.edgelab.eu/products.html](http://www.edgelab.eu/products.html)

Mfr Notes: Designed with modularity common criteria to make simple and immediate testing of new sets of sensors. Connections between various models realized with a simple, interchangeable mechanical interface system. Payload is customizable as with Webcam, CTD, Side Scan Sonar, other AUV-class sensors. High maneuverability with 2 azimuthal + 2 lateral ducted propellers.

### Bluefin-9

Size (m): LxWxH: 2.5x1.62x1.62

In-Air Weight (kg): 70

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: N/A

Max Depth (m): 200

Nominal Speed (knots): 3

Max Speed (knots): 5

Endurance (hrs): 10

Hovering Capability: No

Standard Equipment: Interferometric Sidescan

Sonar & Camera

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.bluefinrobotics.com](http://www.bluefinrobotics.com)

Contact: Adam Mara

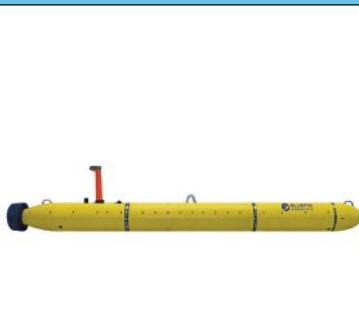
Email: [Adam.Mara@gd-ms.com](mailto:Adam.Mara@gd-ms.com)

URL to Distributors/Dealers/Agents: [www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-9](http://www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-9)

Mfr Notes: The Bluefin-9 is a lightweight, two-man-portable autonomous underwater vehicle with a mission turnaround time of less than 15 minutes. Equipped with a variety of user-selected payloads for multiple applications, the Bluefin-9 provides the performance of much larger AUVs in a convenient and rapidly deployable package.

# AUVs

## General Dynamics Mission Systems



## General Dynamics Mission Systems



## General Dynamics Mission Systems



### Bluefin-12D

Size (m): LxWxH: 4.3x0.3x0.3

In-Air Weight (kg): 260

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Yes

Max Depth (m): 1500

Nominal Speed (knots): 3.0

Max Speed (knots): 4.5

Endurance (hrs): 30

Hovering Capability: No

Standard Equipment: Interferometric Sidescan Sonar & Camera

Sonar & Camera

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.bluefinrobotics.com](http://www.bluefinrobotics.com)

Contact: Adam Mara

Email: [Adam.Mara@gd-ms.com](mailto:Adam.Mara@gd-ms.com)

URL to Distributors/Dealers/Agents: <http://www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-12d/>

Mfr Notes: The Bluefin-12 is a highly modular autonomous underwater vehicle with flexibility that allows for swappable payloads. The Bluefin-12 is a combination of immense capability and efficient packaging customizable for a variety of applications.

### Bluefin-21

Size (m): LxWxH: 4.9x0.5x0.5

In-Air Weight (kg): 750

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Yes

Max Depth (m): 4500

Nominal Speed (knots): 3.0

Max Speed (knots): 4.5

Endurance (hrs): 25

Hovering Capability: No

Standard Equipment: Sidescan Sonar, Multibeam Echosounder, Sub Bottom Profiler & Camera

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.bluefinrobotics.com](http://www.bluefinrobotics.com)

Contact: Adam Mara

Email: [Adam.Mara@gd-ms.com](mailto:Adam.Mara@gd-ms.com)

URL to Distributors/Dealers/Agents: [www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-21/](http://www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-21/)

Mfr Notes: The Bluefin-21 is a highly modular autonomous underwater vehicle able to carry multiple sensors and payloads at once. It boasts a high energy capacity that enables extended operations even at the greatest depths. The Bluefin-21 has immense capability but is also flexible enough to operate from various ships of opportunity worldwide.

### HAUV

Size (m): LxWxH: 1 x 1 x 0.4

In-Air Weight (kg): 79

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: N/A

Max Depth (m): 30

Nominal Speed (knots): 0.2

Max Speed (knots): 1

Endurance (hrs): 3.5

Hovering Capability: Yes

Standard Equipment: Aris Explorer Acoustic Camera

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.bluefinrobotics.com](http://www.bluefinrobotics.com)

Contact: Adam Mara

Email: [Adam.Mara@gd-ms.com](mailto:Adam.Mara@gd-ms.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: HAUVE is a man-portable hovering AUV designed for inspection purposes. Equipped with a high resolution imaging sonar, it surveys ship hulls and other structures autonomously.

## General Dynamics Mission Systems



### Bluefin SandShark(TM)

Size (m): LxWxH: .5x.12x.12

In-Air Weight (kg): 4.95

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: N/A

Max Depth (m): 200

Nominal Speed (knots): 2-4

Max Speed (knots): 4

Endurance (hrs): 6

Hovering Capability: No

Standard Equipment: **Sandshark Base Vehicle Spares Kit, Topside Kit with Wi-Fi router, Maintenance Kit, Rugged Transit Case, GPS, Pelican Case**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.bluefinrobotics.com](http://www.bluefinrobotics.com)

Contact: Adam Mara

Email: [Adam.Mara@gd-ms.com](mailto:Adam.Mara@gd-ms.com)

URL to Distributors/Dealers/Agents: [www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-sandshark](http://www.bluefinrobotics.com/vehicles-batteries-and-services/bluefin-sandshark)

Mfr Notes: The Bluefin-12 is a highly modular autonomous underwater vehicle with flexibility that allows for swappable payloads. The Bluefin-12 is a combination of immense capability and efficient packaging customizable for a variety of applications.

## Graal Tech s.r.l



### eFolaga PLUS

Size (m): LxWxH: 2 x 0,155 x 0,155

In-Air Weight (kg): 32

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): payload section neutral

LARS: no

Max Depth (m): 100

Nominal Speed (knots): 3

Max Speed (knots): 4

Endurance (hrs): 8

Hovering Capability: Yes

Standard Equipment: **radio connection two channels 2.4GHz, GPS, compass, two axes accelerometer, depth meter, buoyancy control, movable ballast**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.graaltech.it](http://www.graaltech.it)

Contact: Andrea Caffaz

Email: [andrea.caffaz@graaltech.it](mailto:andrea.caffaz@graaltech.it)

URL to Distributors/Dealers/Agents:

Mfr Notes: Folaga is characterized by a very high maneuverability even at low speed, including hovering capabilities, that may be exploited in several inspection and patrolling tasks. The main feature of the eFolaga is the possibility of mounting in the easiest possible way different kinds of mission payloads.

## Hydroid Inc.



### Remus 100

Size (m): LxWxH: From 1.6

In-Air Weight (kg): From 37

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: Yes

Max Depth (m): 100

Nominal Speed (knots): 3- 4

Max Speed (knots): 4.5

Endurance (hrs): 8-10 typical

Hovering Capability: Yes

Standard Equipment: **Compass, ADCP/DVL, conductivity temperature sensor, long baseline navigation, acoustic communications, commercial GPS, VIP software, vehicle cradle, transit cases**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.hydroid.com](http://www.hydroid.com)

Contact: Alex Kern

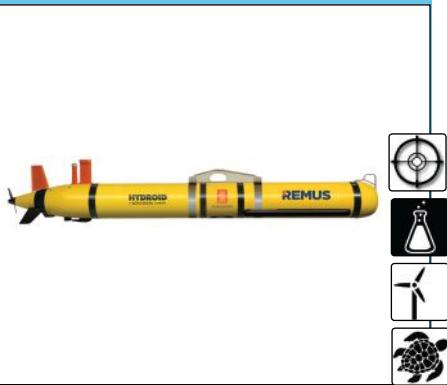
Email: [sales@hydroid.com](mailto:sales@hydroid.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: With a track record second to none, the Remus 100 is the most prolific compact AUV to be selected by the U.S. Navy fleet for their mine counter measure operations. The system is in operation in more than 17 countries, has over ten years of continuous product development and thousands of hours of field operations.

# AUVs

## Hydroid Inc.



### Remus 600

Size (m): LxWxH: From 3.25

In-Air Weight (kg): From 240

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Yes, other options available

Max Depth (m): 600

Nominal Speed (knots): 3 - 4

Max Speed (knots): 4

Endurance (hrs): 24 typical

Hovering Capability: Yes

Standard Equipment: Standard sensors: Acoustic Doppler current profiling, inertial navigation system, pressure, conductivity & temperature, depth and GPS. Other: Acoustic modem, Iridium communications, WiFi communications

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.hydroid.com](http://www.hydroid.com)

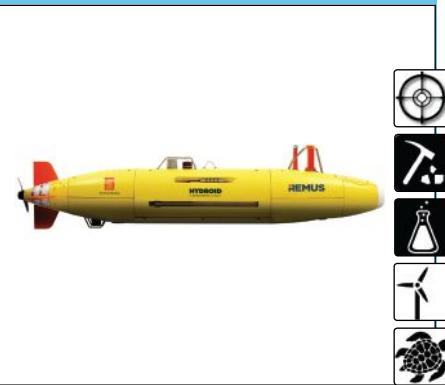
Contact: Alex Kern

Email: [sales@hydroid.com](mailto:sales@hydroid.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Remus 600 is designed to support the growing need for operations requiring endurance, increased payload capacity and greater operating depth.

## Hydroid Inc.



### Remus 6000

Size (m): LxWxH: 3.99

In-Air Weight (kg): From 240

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Yes

Max Depth (m): 6000

Nominal Speed (knots): 3 - 4

Max Speed (knots): 4.5

Endurance (hrs): 16 typical

Hovering Capability:

Standard Equipment: Standard sensors: Acoustic Doppler current profiling, acoustic modem, inertial navigation system, side scan sonar, pressure, altitude, conductivity & temperature, Iridium, GPS and WiFi.

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.hydroid.com](http://www.hydroid.com)

Contact: Alex Kern

Email: [sales@hydroid.com](mailto:sales@hydroid.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Remus 6000 AUV is a deep water workhorse. This model can operate in up to 6,000 m of water, allowing for increased operational scope.

## Hydromea SA



### Vertex

Size (m): LxWxH: 0.7 x 0.3 x 0.2

In-Air Weight (kg): 7

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 1

LARS: not required

Max Depth (m): 300

Nominal Speed (knots): 2

Max Speed (knots): 3

Endurance (hrs): 6-8

Hovering Capability: Yes

Standard Equipment: CTD,BGA+Chlorophyll, Turbidity, FDOM, Nitrate, pH, O2, misc. Fluorometers

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: <http://www.hydromea.com>

Contact: Alexander Bahr

Email: [alexander.bahr@hydromea.com](mailto:alexander.bahr@hydromea.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Optimized for swarm operation; dedicated vehicle-to-vehicle positioning and communication available; suitable for check-in luggage; patented Disk Drive system

## Independent Robotics



### AQUA 2

Size (m): LxWxH: 0.13 x 0.44 x 0.64

In-Air Weight (kg): 16.5

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): N/A

LARS:

Max Depth (m): 30

Nominal Speed (knots):

Max Speed (knots):

Endurance (hrs): 5

Hovering Capability: No

Standard Equipment: Sensors, operator control unit, tether

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: www.independentrobotics.com

Contact:

Email: info@independentrobotics.com

URL to Distributors/Dealers/Agents:

Mfr Notes:

## ISE



### Arctic Explorer AUV

Size (m): LxWxH: 7.4 x 0.74 diameter

In-Air Weight (kg): 2200

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Optional

Max Depth (m): 5000

Nominal Speed (knots): 1 - 4

Max Speed (knots): 1 - 4.9

Endurance (hrs): 80

Hovering Capability: No

Standard Equipment: see PDF

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: www.ise.bc.ca

Contact: Linda Mackay

Email: linda.mackay@ise.bc.ca

URL to Distributors/Dealers/Agents:

Mfr Notes: Largest of the Explorer AUV class, measuring over 7m long and weighing over 2000kg. Equipped with an extended range capability, making 80 hour missions covering 450 kms. possible. Has a unique variable ballast system that enables it to park on the sea floor or hold itself on the underside of ice during a mission.

## ISE



### Aurora Towfish

Size (m): LxWxH: 3.3 x 0.396 x 0.713

In-Air Weight (kg):

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 55

LARS: Optional

Max Depth (m): 460

Nominal Speed (knots): 10 - 12

Max Speed (knots): 10 - 12 towing

Endurance (hrs):

Hovering Capability: No

Standard Equipment: see PDF

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: www.ise.bc.ca

Contact: Linda Mackay

Email: linda.mackay@ise.bc.ca

URL to Distributors/Dealers/Agents:

Mfr Notes: Aurora is an actively stabilized towfish that can accommodate a variety of wet and dry payloads. The vehicle is modular, allowing the hull to accommodate wet and dry payloads of varying sizes. As a towfish, Aurora has been designed varying sizes. As a towfish, Aurora has been designed.

# AUVs

ISE



## Aurora Towfish - New Generation

Size (m): LxWxH: 3.3 - 4.2 x 0.406 x 12.35

In-Air Weight (kg): 380 - 560

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 150

LARS: Optional

Max Depth (m): 200

Nominal Speed (knots): 5

Max Speed (knots): 12

Endurance (hrs):

Hovering Capability: No

Standard Equipment: see PDF

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.ise.bc.ca](http://www.ise.bc.ca)

Contact: Linda Mackay

Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)

URL to Distributors/Dealers/Agents:

Mfr Notes: Development of the new generation of commercialized ISE Aurora Towfish was completed in 2014. The vehicle design is modular, allowing the hull to accommodate wet and dry payloads of varying sizes. As a towfish, Aurora has been designed with a large, actively controlled main wing to control depth.

ISE



## Dorado

Size (m): LxWxH: 8.23 x 2.28 x 1.17

In-Air Weight (kg): 5900

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 210

LARS: Optional

Max Depth (m): 200 with Towfish

Nominal Speed (knots):

Max Speed (knots): 12-16

Endurance (hrs): 12 hrs. at 200m depth with

tow, 28 hrs. without tow

Hovering Capability: No

Standard Equipment: see PDF

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.ise.bc.ca](http://www.ise.bc.ca)

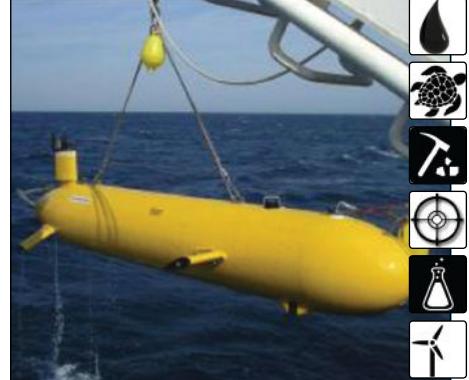
Contact: Linda Mackay

Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)

URL to Distributors/Dealers/Agents:

Mfr Notes:

ISE



## Explorer AUV

Size (m): LxWxH: 4.5-6 x 0.69 - 0.74 diameter

In-Air Weight (kg): 640 - 1850

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Optional

Max Depth (m): 300 - 6000

Nominal Speed (knots):

Max Speed (knots): 1 - 4.9

Endurance (hrs): 24 - 85

Hovering Capability: No

Standard Equipment: see PDF

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.ise.bc.ca](http://www.ise.bc.ca)

Contact: Linda Mackay

Email: [linda.mackay@ise.bc.ca](mailto:linda.mackay@ise.bc.ca)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Explorer AUV is a modular vehicle comprising of a forward free-flooding section, full diameter pressure hull and a free flooding aft section. It is optimized for long range and can easily be adapted to meet new requirements. It is available in many configurations and depth ratings from 300 to 6000 m.

## Kongsberg Maritime



**HUGIN**

Size (m): LxWxH: 5.2-7

In-Air Weight (kg): 1100-1600

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Stinger

Max Depth (m): 6000

Nominal Speed (knots): 4

Max Speed (knots): 6

Endurance (hrs): 24-74

Hovering Capability: No

Standard Equipment: EM2040, HISAS1032, SSS,

CTD, FLS, SBP, GPS Iridium, WiFi, RF-Radio,

Flash, cNODE, UHD colour camera and laser

profiler, Environmental/geochemical sensors

optional

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.km.kongsberg.com/marco](http://www.km.kongsberg.com/marco)

Contact: Richard Mills

Email: [richard.mills@kongsberg.com](mailto:richard.mills@kongsberg.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: HUGIN is the most commercially successful AUV in the world, having completed over 600,000 line kilometres of paid survey. Proven by operations in harsh operations. Proven by operations in harsh open ocean conditions from Africa to South America HUGIN is the most robust AUV platform providing IHO standard data quality.

## Kongsberg Maritime



**MUNIN 600**

Size (m): LxWxH: 3-5 depending on configuration

In-Air Weight (kg): <350

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: Crane/Stinger

Max Depth (m): 600

Nominal Speed (knots): 3.5

Max Speed (knots): 4.5

Endurance (hrs): 12

Hovering Capability: No

Standard Equipment: EM2040M, SSS, CT, D, FLS,

GPS, Iridium, WiFi, RF-Radio, Flash, cNode, SBP

and UHD colour camera options

Optional Equipment Available:

Vehicle can be buyer customized: No

View PDF: [View PDF](#)

Website: [km.kongsberg.com](http://km.kongsberg.com)

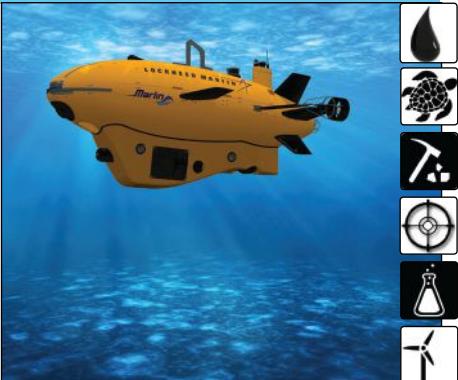
Contact: Richard Mills

Email: [richard.mills@kongsberg.com](mailto:richard.mills@kongsberg.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: MUNIN retains all of the processing capability from HUGIN, packaged in a low-logistics vehicle. Easy to ship, mobilize and operate, MUNIN is capable of more than any other mid-size AUV.

## Lockheed Martin



**Marlin Mk2 AUV**

Size (m): LxWxH: 3 x 1.5 x 1.25

In-Air Weight (kg): 955

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): 115

LARS: Articulated with Docking Head

Max Depth (m): 300

Nominal Speed (knots): 2

Max Speed (knots): 4

Endurance (hrs): 24

Hovering Capability: Yes

Standard Equipment: AUV, Structural Survey Mission

Package, Control Van, LARS, Maintenance Frame

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.lockheedmartin.com/marlin](http://www.lockheedmartin.com/marlin)

Contact: Brandon Broom

Email: [brandon.broom@lmco.com](mailto:brandon.broom@lmco.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Marlin provides safer, faster, and more effective subsea integrity management inspections of subsea facilities and pipeline inspections, structural, damage assessment and decommissioning surveys. High fidelity 3D geo-referenced models of infrastructure are generated in real time, while employing autonomous change detection from baseline surveys. Robust obstacle detection and avoidance OD/OA system.

# AUVs

## Ocean Aero Inc.



### Submaran S200

Size (m): LxWxH: 4.14

In-Air Weight (kg): 123

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 23

LARS: launch dolly

Max Depth (m): 200

Nominal Speed (knots): 2 in Glider mode

Max Speed (knots): 3 in UUV mode

Endurance (hrs): 600 Glider mode

Hovering Capability: Yes

Standard Equipment: GPS, IMU, Anemometer, air temp, water temp depth, speed over water, speet over ground, aux. thruster, retractable wing for surface operation, submerges to 200 meters. Command/Control console

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.oceanaero.us

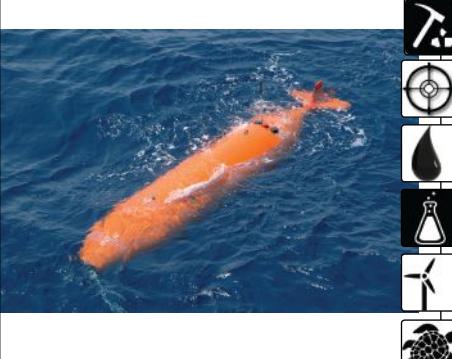
Contact: Ken Childress

Email: kenc@oceanaero.us

URL to Distributors/Dealers/Agents:

Mfr Notes: Like its brother the S10, the S200 is capable of long enduerance surface transit using wind and solar power. As an AUV, the S200 submerges to 200 meters and is capable of operation with thruster as a UUV and without thruster as a glider. On the surface, solar rechargeable batteries provide power

## Oceaneering International, Inc.



### C-Surveyor III

Size (m): LxWxH: 6.4 x 1.05

In-Air Weight (kg): 2000

Crane Required: No

Man-Portable: No

Maximum Payload (kg):

LARS: Self enclosed container system

Max Depth (m): 4500

Nominal Speed (knots): 4

Max Speed (knots):

Endurance (hrs): 40

Hovering Capability: No

Standard Equipment: C-Nav L-Band DGPS | Intertial Navigation | Simrad HiPAP USBL | RDI Navigator Doppler Velocity Log | Kalman Filter | DigiQuartz Depth Unit | SBE 49 FastCAT CTD Sensor | Multibeam Echosounder: Kongsberg Simrad EM 2040 | EdgeTech / Side Scan Sonar: 120 / 410 kHz Chirp AUV / UUV DF Seafloor Mapper | Subbottom Profiler: EdgeTech / AUV / UUV Seafloor Mapper 1-6 khz Chirp| Black & White High Resolution Digital Camera | 2G Robotics / ULS-500 Laser Line Scanner | Magnetometer | Battery: Lithium Ion

Optional Equipment Available: Yes

Vehicle can be buyer customized: No

View PDF:

Website: oceaneering.com/auv

Contact: Bill Mallin

Email: info@oceaneering.com

URL to Distributors/Dealers/Agents:

Mfr Notes: C-Surveyor III targets geophysical surveys up to 4500 m. Designed to operate in harsh and diverse environments, the C-Surveyor fleet has completed over 365,000 kilometres of surveys. Our data gives the operator the best information possible for making informed decisions to ensure safe offshore operations.

## Oceaneering International, Inc.



### C-Surveyor V & VI

Size (m): LxWxH: 6.35 x 1.05

In-Air Weight (kg): 2,000

Crane Required: NO

Man-Portable: No

Maximum Payload (kg):

LARS: Self enclosed container system

Max Depth (m): 3,000

Nominal Speed (knots): 4

Max Speed (knots):

Endurance (hrs): 24-48

Hovering Capability: No

Standard Equipment: C-Nav L-Band DGPS | Intertial Navigation | Simrad HiPAP USBL | RDI Navigator Doppler Velocity Log | Kalman Filter | DigiQuartz Depth Unit | SBE 49 FastCAT CTD Sensor | Multibeam Echosounder: Kongsberg Simrad EM 2040 | EdgeTech / Side Scan Sonar: 120 / 410 kHz Chirp AUV / UUV DF Seafloor Mapper | Subbottom Profiler: EdgeTech / AUV / UUV Seafloor Mapper 1-6 khz Chirp| Black & White High Resolution Digital Camera | 2G Robotics / ULS-500 Laser Line Scanner | Magnetometer | Battery: Lithium Ion

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: oceaneering.com/auv

Contact: Bill Mallin

Email: info@oceaneering.com

URL to Distributors/Dealers/Agents:

Mfr Notes: C-Surveyor V and VI provide high-resolution laser bathymetry at five-millimeter resolution of pipeline and subsea infrastructure. Combined with advanced photomosaics, this AUV captures higher resolution data for operators to detect anomalies. Our data gives the operator the best information possible for making informed decisions to ensure safe offshore operations.

# AUVs •

## OCEANSCAN-MST LDA



### LAUV- Light Autonomous Underwater Vehicle

Size (m): LxWxH: 1.2 x 0.15 x 0.15

In-Air Weight (kg): 15

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 10

LARS: one person hand launch

Max Depth (m): 100

Nominal Speed (knots): 2

Max Speed (knots): 4

Endurance (hrs): 8

Hovering Capability: No

Standard Equipment: Depth Sensor; GSM/HSDPA Module; Wi-Fi Module; System Status Sensors; GPS; AHRS; Optional: Side-Scan Sonar (single or dual frequency); Multibeam Sonar; Acoustic Communications; Forward Looking Sonar; CTD; SVS; Turbidity; Fluorometer; Dissolved Oxygen; Digital Camera+LEDs; Communications Gateway (GSM + Wi-Fi + GPS + Acoustic Modem)

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.oceanscan-mst.com](http://www.oceanscan-mst.com)

Contact:

Email: [info@oceanscan-mst.com](mailto:info@oceanscan-mst.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Lightweight AUV targeted at innovative standalone or networked operations for cost-effective oceanographic, hydrographic and security and surveillance surveys. NEPTUS is the LAUV command and control user interface. As a complete software framework was designed to support all user's actions in all stages of the mission life cycle: plan and design, simulation, execution, monitoring and data analysis.

## OceanServer Technology, Inc.



### Iver3-580 AUV

Size (m): LxWxH: 2

In-Air Weight (kg): 36

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS:

Max Depth (m): 100

Nominal Speed (knots): 2-3

Max Speed (knots): 4

Endurance (hrs): 10

Hovering Capability: No

Standard Equipment: AUV ships with RDI DVL, GPS, Wifi and swappable battery section

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: <http://www.iver-auv.com/iver3S.htm>

Contact: Jim Kirk

Email: [kirk@ocean-server.com](mailto:kirk@ocean-server.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Iver3-580 options include Side Scan, Bathy, Environmental Sensors, User 2nd CPU, Camera, Iridium, Modem and Handheld Remote

## QinetiQ North America



### Sea Scout

Size (m): LxWxH: 0.914 x 0.124 (OD)

In-Air Weight (kg): 10

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 4

LARS: N/A

Max Depth (m): 200

Nominal Speed (knots): 4

Max Speed (knots): 15

Endurance (hrs): 11

Hovering Capability: Yes

Standard Equipment: Propulsion, Power, Navigation, Line of sight and satellite communication

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: <https://www.qinetiq-na.com/products/unmanned-systems/sea-scout/>

Contact: Knut Streitlien

Email: [knut.streitlien@qinetiq-na.com](mailto:knut.streitlien@qinetiq-na.com)

URL to Distributors/Dealers/Agents:

<https://www.qinetiq-na.com/>

Mfr Notes: Sea Scout™ is a general purpose UUV that can be deployed with a standard A-size sonobuoy launch container. It can have up to two optional payload sensors.

# AUVs

## Riptide



### Micro-UUV

Size (m): LxWxH: 1 to 2 in length (12 cm dia)

In-Air Weight (kg): 10-20

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 10

LARS: N/A

Max Depth (m): 200

Nominal Speed (knots): 2-4

Max Speed (knots): 8+

Endurance (hrs): 30

Hovering Capability: No

Standard Equipment: Flexible man-portable micro-UUV with open payload interfaces - can be customized with a wide variety of subsea sensors including side scan sonar

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.RiptideAS.com](http://www.RiptideAS.com)

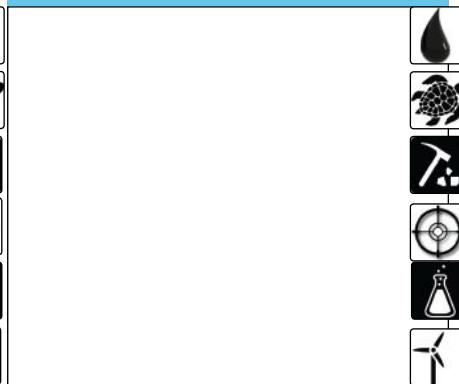
Contact: Jeff Smith

Email: [Jeff@RiptideAS.com](mailto:Jeff@RiptideAS.com)

URL to Distributors/Dealers/Agents:

Mftr Notes: Riptide is offering a new, highly flexible UUV that provides users a state-of-the-art, low cost development solution ideally suited for developers of autonomy and behavior, power systems, subsea sensors, and new payloads.

## Riptide



### 1MP (one man portable AUV)

Size (m): LxWxH: 1.14mx19cm dia

In-Air Weight (kg): 27

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 25

LARS: Not Required

Max Depth (m): 600

Nominal Speed (knots): 1-4

Max Speed (knots): 8

Endurance (hrs): 41

Hovering Capability: No

Standard Equipment: Equipment necessary for underwater function

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.riptideas.com](http://www.riptideas.com)

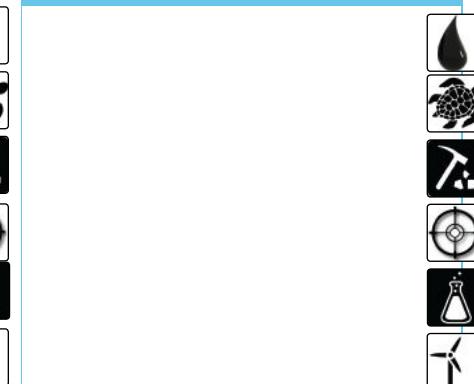
Contact: Bill Key

Email: [bill@riptides.com](mailto:bill@riptides.com)

URL to Distributors/Dealers/Agents:

Mftr Notes:

## Riptide



### 2MP (two man portable AUV)

Size (m): LxWxH: 1.4mx23.8cm dia

In-Air Weight (kg): 55

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 50

LARS: Not Required

Max Depth (m): 600

Nominal Speed (knots): 1-4

Max Speed (knots): 8

Endurance (hrs): 39

Hovering Capability: No

Standard Equipment: Equipment necessary for underwater function

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.riptideas.com](http://www.riptideas.com)

Contact: Bill Key

Email: [bill@riptides.com](mailto:bill@riptides.com)

URL to Distributors/Dealers/Agents:

Mftr Notes:

# AUVs •

## RTSYS



### APV-RT

Size (m): LxWxH: 2.27 x 0.15 x 0.15

In-Air Weight (kg): 36

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): 6

LARS: 2 man deployable

Max Depth (m): 300

Nominal Speed (knots): 4

Max Speed (knots): 15

Endurance (hrs): 21

Hovering Capability: No

Standard Equipment: acoustic payload - noise

maker - noise repeater - hydrophone recorder

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.rtsys.eu](http://www.rtsys.eu)

Contact: Luc Simon

Email: [info@rtsys.eu](mailto:info@rtsys.eu)

URL to Distributors/Dealers/Agents:

Mfr Notes: Large autonomy, torpedo shape, doppler velocity, man-portable, carbon hull, high-precision INS, MAST fixed buoyancy, WiFi, GPS, AIS, BandX

## Saab Seaeye Ltd



### Sabertooth

Size (m): LxWxH: 3.6 x 0.66 x 0.45

In-Air Weight (kg): 650

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: Optional

Max Depth (m): 1200

Nominal Speed (knots):

Max Speed (knots): 5

Endurance (hrs): 8

Hovering Capability: Yes

Standard Equipment:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.seaeye.com/sabertooth.html](http://www.seaeye.com/sabertooth.html)

Contact: James Douglas

Email: [rovs@seaeye.com](mailto:rovs@seaeye.com)

URL to Distributors/Dealers/Agents:

[www.seaeye.com/contact.html](http://www.seaeye.com/contact.html)

Mfr Notes: Hybrid ROV/AUV Vehicle

## SeaRobotics Corporation



### HullBUG, Semi autonomous Hull cleaning system

Size (m): LxWxH: 0.61 x 0.53 x 0.35

In-Air Weight (kg): 30; dependent on cleaning tool

Crane Required: NO

Man-Portable: Yes

Maximum Payload (kg): 5

LARS: Davit deployed

Max Depth (m): 30

Nominal Speed (knots): 1

Max Speed (knots): NA

Endurance (hrs): unlimited with tether

Hovering Capability:

Standard Equipment: Brush based or cavitating

jet based cleaning tools, full compliment of navigation and control sensors

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.searobotics.com](http://www.searobotics.com)

Contact: Don Darling

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Hull bio-inspired underwater hull husbandry system used for frequent grooming, inspection, anti-fouling and foul release coating maintenance for autonomous or tethered operation.

# AUVs

## Teledyne Gavia



## Teledyne Marine Systems



## The Boeing Company



### Gavia Offshore Surveyor AUV

Size (m): LxWxH: **Varies Typical 2.7x 2x3**

In-Air Weight (kg): **Varies Typical 65-90**

Crane Required: **No**

Man-Portable: **Yes**

Maximum Payload (kg): **Variable**

LARS: **Optional**

Max Depth (m): **1000**

Nominal Speed (knots): **3.5**

Max Speed (knots): **5.5+**

Endurance (hrs): **6+(Varies)**

Hovering Capability: **No**

Standard Equipment: **Optional SSS, SBP, MBES, camera, SV / CTD , and other environ. sensors.**

Nav. **includes DVL INS, LBL, USBL**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized:

View PDF:

Website: [www.teledynegavia.com/](http://www.teledynegavia.com/)

Contact: **Kolbrun Arnadottir**

Email: [GAVIA\\_Sales@Teledyne.com](mailto:GAVIA_Sales@Teledyne.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Gavia AUV is a field proven low logistics, versatile modular survey platform capable of delivering high quality geophysical survey data while operating from vessels of opportunity or from shore. Low logistics surveys provide very cost effective data when compared to traditional means using costly large surface vessels and ROVs.



### Deep Ocean Tethered Sensor Platform

Size (m): LxWxH: **2.39 x 0.84 x 1.14**

In-Air Weight (kg): **590**

Crane Required: **Yes**

Man-Portable: **No**

Maximum Payload (kg): **268**

LARS:

Max Depth (m): **6000**

Nominal Speed (knots): **1-5**

Max Speed (knots): **5**

Endurance (hrs):

Hovering Capability: **No**

Standard Equipment: **Sidescan Sonar, Sub Bottom Profiler, Multibeam Sonar, Positioning and Safety Systems**

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: <http://teledynebenthos.com>

Contact: **Peter Ranelli**

Email: [Peter.Ranelli@Teledyne.com](mailto:Peter.Ranelli@Teledyne.com)

URL to Distributors/Dealers/Agents: [http://teledynebenthos.com/contact/sales\\_distribution](http://teledynebenthos.com/contact/sales_distribution)

Mfr Notes: Deep Ocean Tethered System combines side scan sonar, multibeam swath bathymetry and sub bottom profilers to produce high resolution images of features and contacts on the ocean bottom.

Size (m): LxWxH: **5.6 x 1.3 x 1.3**

In-Air Weight (kg): **4,545**

Crane Required: **Yes**

Man-Portable: **No**

Maximum Payload (kg): **225**

LARS:

Max Depth (m): **3,000**

Nominal Speed (knots): **2.8**

Max Speed (knots): **6**

Endurance (hrs): **40**

Hovering Capability: **No**

Standard Equipment: **Echo Ranger UUV, 20ft Sea Van, Topside Support Computers, Maintenance Cart, Launch and Recovery Equipment, Battery charging equipment, Acoustic Communication Equipment**

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.boeing.com](http://www.boeing.com)

Contact:

Email:

URL to Distributors/Dealers/Agents:

Mfr Notes: New sensor and system payloads are rapidly being introduced to UUVs. The Boeing Solution to testing these proposed systems requires a vehicle with ample payload capacity and energy. The Echo Ranger is uniquely suited to this task with proven autonomy, generous external payload volume, and available energy capacity. It has been used in the Gulf of Mexico as a survey asset to capture high fidelity sonar images of the seafloor for various petroleum interests.

# AUVs •

## Vehicle Control Technologies, Inc.



### Harborscan UUV

Size (m): LxWxH: 2.5 x 0.19 x 0.19

In-Air Weight (kg): 52

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg):

LARS: 2-person, VCT Universal Docking System (UDS)

Max Depth (m): 300

Nominal Speed (knots): 3

Max Speed (knots): 5

Endurance (hrs): 8

Hovering Capability: No

Standard Equipment: L-3 Klein 455/900 side

scan, GPS, DVL, Kefarot INS, USBL, Acoustic

Modem, Iridium Satellite Modem, ICD's for hardware and software supplied

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.vctinc.com](http://www.vctinc.com)

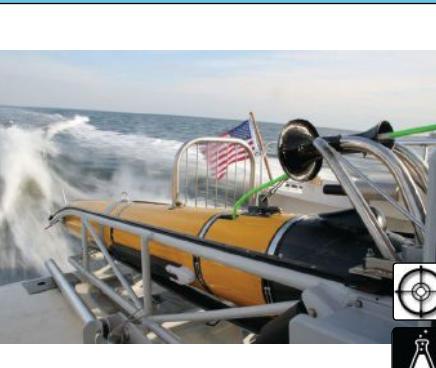
Contact: **Douglas E. Humphreys**

Email: [dhumphreys@vctinc.com](mailto:dhumphreys@vctinc.com)

URL to Distributors/Dealers/Agents: [www.geo-matching.com/products/id1979-hybrid-ptb-uuv.html](http://www.geo-matching.com/products/id1979-hybrid-ptb-uuv.html)

Mfr Notes: VCT modular tail design means this vehicle scales in diameter to accommodate your payload requirements/load requirements.

## Vehicle Control Technologies, Inc.



### Hybrid PTB-UUV

Size (m): LxWxH: 2.67 x 0.32 x 0.32

In-Air Weight (kg): 225

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg):

LARS: VCT Universal Docking System (Underwater) & LARS (Ramp-style)

Max Depth (m): 900

Nominal Speed (knots): 5

Max Speed (knots): 7

Endurance (hrs): 5

Hovering Capability:

Standard Equipment:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.vctinc.com](http://www.vctinc.com)

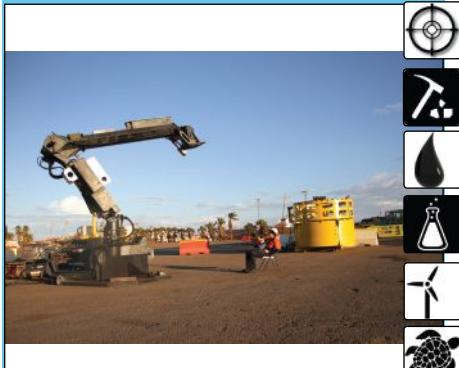
Contact: **Douglas E. Humphreys**

Email: [dhumphreys@vctinc.com](mailto:dhumphreys@vctinc.com)

URL to Distributors/Dealers/Agents: [www.geo-matching.com/products/id1979-hybrid-ptb-uuv.html](http://www.geo-matching.com/products/id1979-hybrid-ptb-uuv.html)

Mfr Notes: Users that benefit from a single system that can be used as a high-performance tow body and an untethered UUV based on the same vehicle. Search and survey; mine countermeasures (MCM); open architecture R&D platform.

## WorleyParsons



### Unmanned Subsea Surveyor

Size (m): LxWxH: 2.7 x 4.7 x 2.4

In-Air Weight (kg): 9,800

Crane Required: Yes

Man-Portable: No

Maximum Payload (kg): N/A

LARS:

Max Depth (m): 500

Nominal Speed (knots): N/A

Max Speed (knots): N/A

Endurance (hrs): Indefinite

Hovering Capability: Yes

Standard Equipment: Camera

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [View PDF](#)

Website: [www.worleyparsons.com](http://www.worleyparsons.com)

Contact: **Peter Mellor**

Email: [peter.mellor@worleyparsons.com](mailto:peter.mellor@worleyparsons.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The Unmanned Subsea Surveyor comprises a field mounted telescopic hydraulic arm. The USS can be operated immediately and remotely and can survey 300m<sup>2</sup> with millimeter accuracy. It is deployed for 1 year.

# AUVs

YSI Integrated Systems & Services



## EcoMapper AUV

Size (m): LxWxH: 1.52 x 0.15

In-Air Weight (kg): 28.85

Crane Required: No

Man-Portable: Yes

Maximum Payload (kg): n/a

LARS:

Max Depth (m): 100

Nominal Speed (knots): 2.5

Max Speed (knots): 3.5

Endurance (hrs): 8-10

Hovering Capability: Yes

Standard Equipment: Wifi, Satellite, Sidescan Sonar, Doppler Velocity Log (DVL), Water Quality Sensors, Remote Control Handheld Device.

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: [www.ysisystems.com](http://www.ysisystems.com)

Contact: Sales

Email: [systems@ysi.com](mailto:systems@ysi.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: YSI Introduces a unique system for collecting water quality data. The EcoMapper AUV equipped with YSI's multi-parameter water quality sensors provides researchers and scientists with a data collection platform unmatched in its flexibility and capability. The EcoMapper can measure water quality, currents, and bathymetry at a continuous interval for missions ranging from 8-10 hours.

# Iver3 Autonomous Underwater Vehicles



Rapid Data Collection For  
Coastal Applications  
Side Scan  
Bathy Water Quality  
Magnetometer



## OceanServer

[www.ocean-server.com](http://www.ocean-server.com)

+1 508-678-0550



# Gliders

## Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



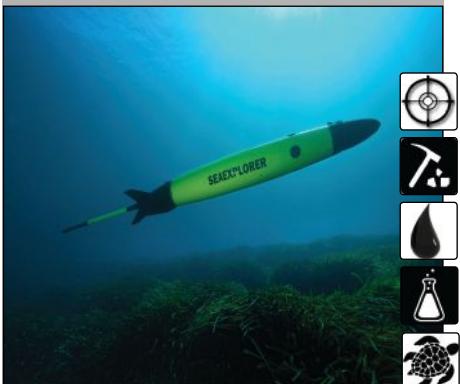
Ocean  
Renewables



Environmental

# Gliders

## ALSEAMAR



### SeaExplorer

Size (m): LxD: 0.25 m x 2 m + 0.7 m foldable antenna

Wing Span (m): 56.5 cm. Wingless design

In-Air Weight (kg): 59

Depth Range (m): 700 (850 m survival)

Max Travel Range (km): 1,200

Endurance (hrs/d/mos): 2 months

Speed (kts): Up to 1 knot horizontal

Communication: Iridium, Ethernet, RF, GPS, Argos

Navigation: GPS, Compass, Altimeter

Buoyancy Control: 1 L variation (+/- 500cc)

Energy Source: Rechargeable Li-ion (20h)

Modularity: Interchangeable payloads

# of Available Sensors: 15+

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.alseamar-alcen.com](http://www.alseamar-alcen.com)

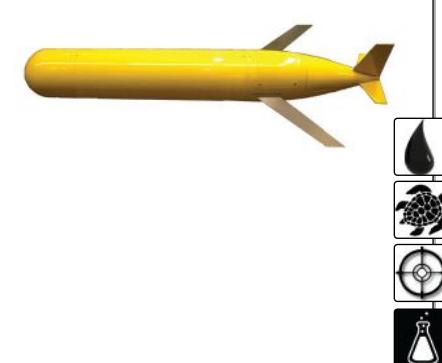
Contact: Romain TRICARICO

Email: [rtricarico@alseamar-alcen.com](mailto:rtricarico@alseamar-alcen.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: The SeaExplorer AUV is the ultimate low-logistics and user-friendly glider designed for a large range of Oceanographic, Defence and Oil & Gas missions. Its rechargeable battery as well as its fully interchangeable payloads greatly simplify its maintenance and enable huge savings in terms of time and money, making it the glider with the lowest cost of ownership currently on the market.

## Exocetus Autonomous Systems



### Coastal Glider

Size (m): LxD: 1.83 x 0.32

Wing Span (m): 1.06

In-Air Weight (kg): 109

Depth Range (m): 200

Max Travel Range (km): 840 - 4100

Endurance (hrs/d/mos): 14 d - 2 mos

Speed (kts): 2.0 horizontal

Communication: Iridium, RF modem, LAN

Navigation: GPS, Inertial, 3 axis compass

Buoyancy Control: Buoyancy engine

Energy Source: alkaline or lithium batteries

Modularity: Sensors, payload, computer

# of Available Sensors: 20+

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [exocetussystems.com](http://exocetussystems.com)

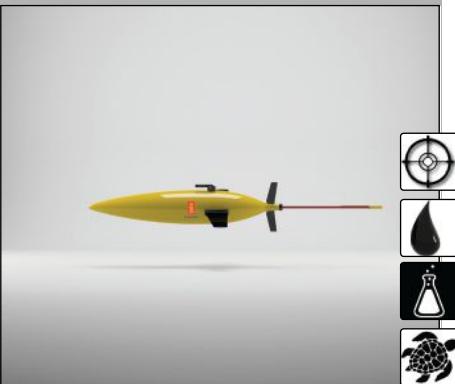
Contact: Joe Turner

Email: [jturner@exocetussystems.com](mailto:jturner@exocetussystems.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Adaptive ballasting enables transit between salt and fresh water mixes without manual re-ballasting or thruster. Modular sensor design allows users to install their own sensors and computer. Narwhal mount for acoustic sensors. Simple, forgiving ballast setup. Large buoyancy engine. Variable speed capability. Large 5+ kg payload.

## Kongsberg Underwater Technology, Inc.



### Seaglider

Size (m): LxD: 2 x 0.30

Wing Span (m): 1

In-Air Weight (kg): 52 nominal

Depth Range (m): 1,000

Max Travel Range (km): 4,500

Endurance (hrs/d/mos): 10 months

Speed (kts): 0.3 to 0.6

Communication: Iridium, serial

Navigation: Dead reckoning with 3-axis compass

Buoyancy Control: 850 cc hydraulic variable buoyancy device

Energy Source: Lithium primary batteries or lithium rechargeable batteries

Modularity: Modular payload bay

# of Available Sensors: 12+

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.km.kongsberg.com/auv](http://www.km.kongsberg.com/auv)

Contact:

Email: [km.sales.lynnwood@kongsberg.com](mailto:km.sales.lynnwood@kongsberg.com)

URL to Distributors/Dealers/Agents:

Mfr Notes: Low cost, high endurance AUV for science, military/government and commercial applications. This mature technology has revolutionized the way that ocean data is collected, allowing extremely long duration monitoring. The resulting data is of higher temporal and spacial density than can be collected with traditional methods.

# Gliders

## Teledyne Webb Research



### APEX = Autonomous Profiling Explorer

Size (m): LxD: 1.27 long x .165 dia

Wing Span (m): NA

In-Air Weight (kg): 25

Depth Range (m): 2000 or 6000

Max Travel Range (km): NA

Endurance (hrs/d/mos): 9 years

Speed (kts): lagragian

Communication: Argos, Iridium CS/RUDICS/SBD

Navigation: Argos or GPS

Buoyancy Control: Buoyancy engine

Energy Source: Batteries (Alk or Li)

Modularity: Yes

# of Available Sensors: 10+

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.webbresearch.com](http://www.webbresearch.com)

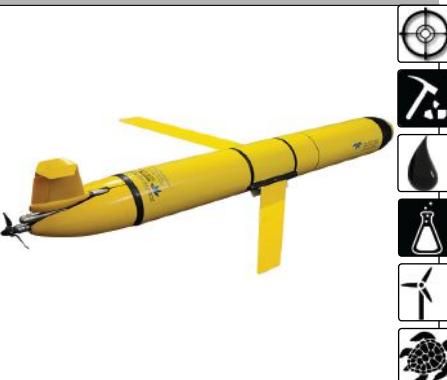
Contact: Pete Furze

Email: [WebbResearch@Teledyne.com](mailto:WebbResearch@Teledyne.com)

URL to Distributors/Dealers/Agents:

**Mfr Notes:** World's leading autonomous, long endurance, profiling float. Over 8000 delivered since 1982 and many configurations. 2000 and 6000 meter capable models.

## Teledyne Webb Research



### Slocum Glider

Size (m): LxD: Typical 1.5 x .22

Wing Span (m): 1.3

In-Air Weight (kg): Typical 54 (varies)

Depth Range (m): 1000

Max Travel Range (km): 600-6000

Endurance (hrs/d/mos): 15 d -12 mos

Speed (kts): .68 typical

Communication: RF, Iridium, ARGOS, ACCOM

Navigation: GPS waypoints, Pressure, Altimeter

Buoyancy Control: Buoyancy engine / thruster

Energy Source: Alkaline or Lithium

Modularity: Yes

# of Available Sensors: 42+

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.webbresearch.com](http://www.webbresearch.com)

Contact: Clara Hulbert

Email: [WebbResearch@Teledyne.com](mailto:WebbResearch@Teledyne.com)

URL to Distributors/Dealers/Agents:

**Mfr Notes:** A versatile low logistics remote sensing AUV for ocean research and monitoring, the market leading Slocum gliders are long duration persistent monitoring platforms that carry the largest number and greatest variety of payloads of any glider AUV. G2 Slocum gliders are also capable of mounting a an optional propeller drive.



# Towed Vehicles

## Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

# Towed Vehicles

## Bellamare, LLC



### Towed Sleds

Size (m): LxWxH: **Custom**

In-Water Weight (kg): **Custom**

In-Air Weight (kg): **Custom**

Depth Range (m): **Custom**

Max Towing Speed (kts): **10**

Min Towing Speed (kts): **.5**

Payload (kg): **Custom**

Roll Precision (Deg): **Custom**

Nominal Cable Tension: **Custom**

Nominal Power Requirements: **Custom**

Max Operational Sea State:

Active Control: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [www.bellamare-us.com](http://www.bellamare-us.com)

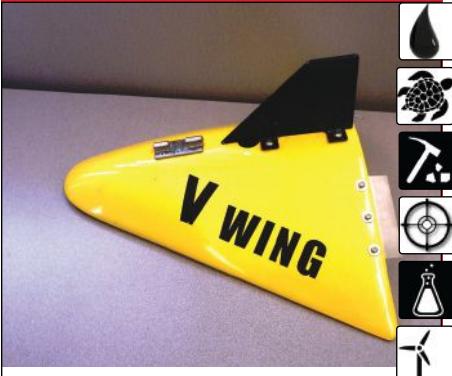
Contact: **Charles Cousin**

Email: [info@bellamare-us.com](mailto:info@bellamare-us.com)

URL link to distributors/dealers/agents:

Mfr Notes: From passive sleds to smart remotely operated vehicles, Bellamare manufactures reliable vehicles with a proven track record.

## Boston Engineering



### V-Wing type 460

Size (m): LxWxH:

In-Water Weight (kg): **6**

In-Air Weight (kg): **8**

Depth Range (m): **1000**

Max Towing Speed (kts): **15**

Min Towing Speed (kts): **1**

Payload (kg): **20**

Roll Precision (Deg): **5**

Nominal Cable Tension: **100**

Nominal Power Requirements: **None**

Max Operational Sea State: **6**

Active Control: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: <http://insight.boston-engineering>

Contact: **Roger Race**

Email: [rtrace@boston-engineering.com](mailto:rtrace@boston-engineering.com)

URL link to distributors/dealers/agents: **Edgetech**

side scan sonar

Mfr Notes: Small 460 V-Wing

## Boston Engineering



### V-Wing type 703

Size (m): LxWxH:

In-Water Weight (kg): **17**

In-Air Weight (kg): **20**

Depth Range (m): **1000**

Max Towing Speed (kts): **15**

Min Towing Speed (kts): **1**

Payload (kg): **50**

Roll Precision (Deg): **5**

Nominal Cable Tension: **500**

Nominal Power Requirements: **N/A**

Max Operational Sea State: **6**

Active Control: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: <http://insight.boston-engineering>

Contact: **Roger Race**

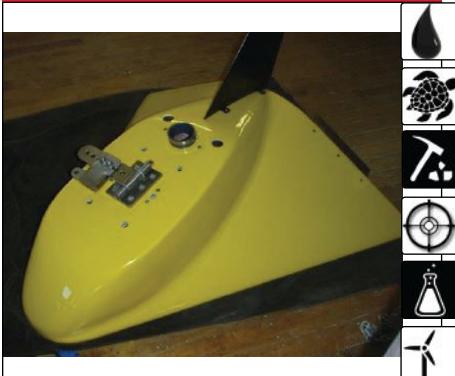
Email: [rtrace@boston-engineering.com](mailto:rtrace@boston-engineering.com)

URL link to distributors/dealers/agents: **Acoustic Modems**

Mfr Notes: Medium size towed vehicle the 703

# Towed Vehicles

## Boston Engineering



### V-Wing type 1220

Size (m): LxWxH:

In-Water Weight (kg): 27

In-Air Weight (kg): 38

Depth Range (m): 1000

Max Towing Speed (kts): 15

Min Towing Speed (kts): 1

Payload (kg): 300

Roll Precision (Deg): 4

Nominal Cable Tension: 800

Nominal Power Requirements: N/A

Max Operational Sea State: 6

Active Control: No

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

[View PDF:](#)

Website: <http://insight.boston-engineering.com>

Contact: Roger Race

Email: [rrace@boston-engineering.com](mailto:rrace@boston-engineering.com)

URL link to distributors/dealers/agents:

[Oceaneering](#)

Mfr Notes: Big depressor, room for lots of equipment

## Chelsea Technologies Group Ltd



### SeaSoar II

Size (m): LxWxH: 2 x 1.60 x 0.98

In-Water Weight (kg):

In-Air Weight (kg): 150 (incl. hydraulic unit, excl. sensors)

Depth Range (m): 0 to 500 faired cable

Max Towing Speed (kts): 12

Min Towing Speed (kts): 9

Payload (kg):

Roll Precision (Deg):

Nominal Cable Tension: Rochester 7-H-314AXX

Nominal Power Requirements:

Max Operational Sea State:

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

[View PDF:](#)

Website: [www.chelsea.co.uk](http://www.chelsea.co.uk)

Contact: Ellen Keegan

Email: [oceans@chelsea.co.uk](mailto:oceans@chelsea.co.uk)

URL link to distributors/dealers/agents: [www.chelsea.co.uk](http://www.chelsea.co.uk)

Mfr Notes: SeaSoar is a versatile towed undulating vehicle used to deploy a wide range of oceanographic monitoring equipment. Developed by CTG from an original design by the National Oceanography Centre, Southampton, UK it has a proven record of reliability over many thousands of miles of operation.

## Chelsea Technologies Group Ltd



### NuShuttle

Size (m): LxWxH: 1.3 x 0.5 x 0.6

In-Water Weight (kg): 72

In-Air Weight (kg): 45

Depth Range (m): 0 to 80 metres unfaired cable  
0 to >150 metres faired cable

Max Towing Speed (kts): 15

Min Towing Speed (kts): 5

Payload (kg):

Roll Precision (Deg):

Nominal Cable Tension: Rochester 7-H-314A or equivalent for real-time deployments

Nominal Power Requirements: Impeller driven alternator powering Elevator Servo above 5 knots

Max Operational Sea State:

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

[View PDF:](#)

Website: [www.chelsea.co.uk](http://www.chelsea.co.uk)

Contact: Ellen Keegan

Email: [oceans@chelsea.co.uk](mailto:oceans@chelsea.co.uk)

URL link to distributors/dealers/agents: [www.chelsea.co.uk](http://www.chelsea.co.uk)

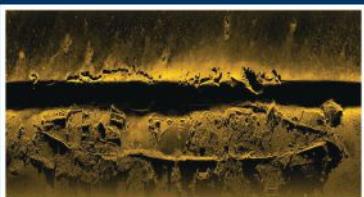
Mfr Notes: NuShuttle is a stable, very robust, versatile undulating towed vehicle for the deployment of a wide range of oceanographic monitoring equipment.



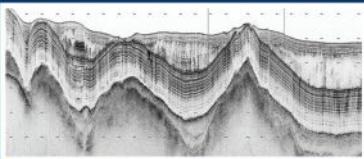
*Clearly Superior Imaging*

## SONAR SYSTEMS

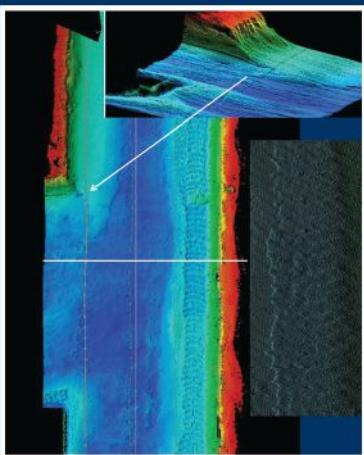
### SIDE SCAN SONARS



### SUB-BOTTOM PROFILERS



### BATHYMETRY SYSTEMS



**EdgeTech.com**

info@edgetech.com  
USA 1.508.291.0057

# Towed Vehicles

EdgeTech



**EdgeTech 2000**

EdgeTech



**EdgeTech 2300**

Size (m): LxWxH: **145cm x 74cm x 84cm**

In-Water Weight (kg):

In-Air Weight (kg): **145**

Depth Range (m): **2000**

Max Towing Speed (kts): **6**

Min Towing Speed (kts): **1**

Payload (kg): **50**

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements: **90 to 132 VAC**

**and 180 to 260 VAC, Auto voltage detect and switching, 47-63 Hz**

Max Operational Sea State:

Active Control: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [edgetech.com](http://edgetech.com)

Contact: **EdgeTech**

Email: [info@edgetech.com](mailto:info@edgetech.com)

URL link to distributors/dealers/agents:

Size (m): LxWxH: **203cm x 84cm x 70cm**

In-Water Weight (kg):

In-Air Weight (kg): **385**

Depth Range (m): **2000**

Max Towing Speed (kts): **6**

Min Towing Speed (kts): **1**

Payload (kg): **100**

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements:

Max Operational Sea State:

Active Control: **No**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [edgetech.com](http://edgetech.com)

Contact: **EdgeTech**

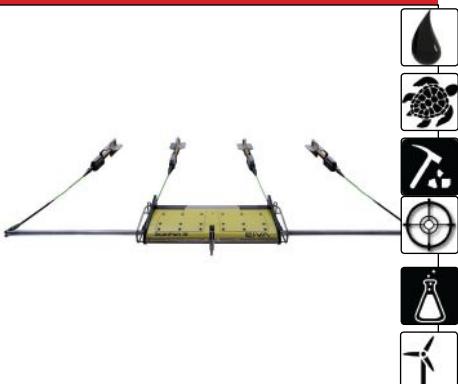
Email: [info@edgetech.com](mailto:info@edgetech.com)

URL link to distributors/dealers/agents:

**Mfr Notes:** The new 2300 combines EdgeTech's highly successful line of side scan sonars, sub-bottom profilers and MPES bathymetry into one fully integrated system. The system is ideal for deep water and provides tri-frequency side scan sonar and enhanced sub-bottom profiling. Custom sensors and configurations are available.

# Towed Vehicles

EIVA a/s



## ScanFish Katria

Size (m): LxWxH: **ROTV only: 0.9x1.8x0.26, with magnetometers: 5.186x5.084x0.26**

In-Water Weight (kg): **ROTV only: 0**

In-Air Weight (kg): **ROTV only: 75**

Depth Range (m): **400**

Max Towing Speed (kts): **6**

Min Towing Speed (kts): **4**

Payload (kg):

Roll Precision (Deg): **0.5**

Nominal Cable Tension:

Nominal Power Requirements: **110–230 V**

Max Operational Sea State: **Vessel dependent**

Active Control: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [eiva.com/Scansfish-Katria](http://eiva.com/Scansfish-Katria)

Contact: **EIVA sales department**

Email: [inquiry@eiva.com](mailto:inquiry@eiva.com)

URL link to distributors/dealers/agents: **Survey companies specialised in UXO surveys**

**Mftr Notes:** The ScanFish Katria is an intelligent wide-sweep Remotely Operated Towed Vehicle (ROTV) solution for time-efficient magnetometer surveys. As it comes with high-sensitivity magnetometers for maximum target detection efficiency, it is an effective tool for detection of sub-bottom magnetic anomalies.

EIVA a/s



## ScanFish Konia

Size (m): LxWxH: **0.9x1.8x0.26**

In-Water Weight (kg): **0**

In-Air Weight (kg): **75**

Depth Range (m): **400**

Max Towing Speed (kts): **10**

Min Towing Speed (kts): **4**

Payload (kg):

Roll Precision (Deg): **0.5**

Nominal Cable Tension:

Nominal Power Requirements: **110–230 V**

Max Operational Sea State: **Vessel dependent**

Active Control: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [eiva.com/Scansfish-Konia](http://eiva.com/Scansfish-Konia)

Contact: **EIVA sales department**

Email: [inquiry@eiva.com](mailto:inquiry@eiva.com)

URL link to distributors/dealers/agents: **Construction and services companies (private and public) specialised in multibeam echosounder surveys and hydrographic mapping. (Every company with a surface vessel-mounted MBE.)**

**Mftr Notes:** The ScanFish Konia is a unique ROTV solution with an integrated, high-quality SVP sensor, enabling continuous data acquisition that will streamline your MBE survey operations both in terms of costs and data quality.

EIVA a/s



## ScanFish Rocio

Size (m): LxWxH: **0.9x1.8x0.26**

In-Water Weight (kg): **0**

In-Air Weight (kg): **75**

Depth Range (m): **400**

Max Towing Speed (kts): **10**

Min Towing Speed (kts): **4**

Payload (kg): **50 - depending on equipment volume**

Roll Precision (Deg): **0.5**

Nominal Cable Tension:

Nominal Power Requirements: **110–230 V**

Max Operational Sea State: **Vessel dependent**

Active Control: **Yes**

Optional Equipment Available: **Yes**

Vehicle can be buyer customized: **Yes**

View PDF:

Website: [eiva.com/Scansfish-Rocio](http://eiva.com/Scansfish-Rocio)

Contact: **EIVA sales department**

Email: [inquiry@eiva.com](mailto:inquiry@eiva.com)

URL link to distributors/dealers/agents: **Primary customers are universities and research institutes. Secondary customers are companies specialised in ocean science surveys, fishery science and environmental bodies & authorities**

**Mftr Notes:** The ScanFish Rocio is a multi-purpose ROTV solution covering a wide variety of oceanographic survey disciplines. Its high payload allows you to fit several different pieces of equipment. This versatile platform will meet your specific needs and streamline your survey operations by combining all survey tasks in one flexible solution.

# Towed Vehicles

## EIVA a/s



### ScanFish Tropheus

Size (m): LxWxH: 0.9x1.8x0.26

In-Water Weight (kg): 0

In-Air Weight (kg): 75

Depth Range (m): 400

Max Towing Speed (kts): 10

Min Towing Speed (kts): 4

Payload (kg):

Roll Precision (Deg): 0.5

Nominal Cable Tension:

Nominal Power Requirements: 110–230 V

Max Operational Sea State:

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [eiva.com/Scansfish-Tropheus](http://eiva.com/Scansfish-Tropheus)

Contact: EIVA sales department

Email: [inquiry@eiva.com](mailto:inquiry@eiva.com)

URL link to distributors/dealers/agents: Defence/

MCM groups and private companies specialised in UXO mine-hunting. Survey companies performing side scan surveys.

Mfr Notes: The ScanFish Tropheus is an ROTV especially designed for UXO detection that eliminates data uncertainty with high-quality seabed imaging. It functions as depressor of any side-scan sonar and is the optimum solution in terms of quality, efficiency and safety.

## JW Fishers Mfg.



### SBP-1 Sub Bottom Proflier

Size (m): LxWxH: 0.9 x 0.6 x 0.2

In-Water Weight (kg): 10

In-Air Weight (kg): 18

Depth Range (m): 150

Max Towing Speed (kts): 2-3

Min Towing Speed (kts): 0

Payload (kg): N/A

Roll Precision (Deg): N/A

Nominal Cable Tension: N/A

Nominal Power Requirements: 12 volts DC, 120 or

220 volts AC

Max Operational Sea State: N/A

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.jwfishers.com](http://www.jwfishers.com)

Contact: Christopher Combs

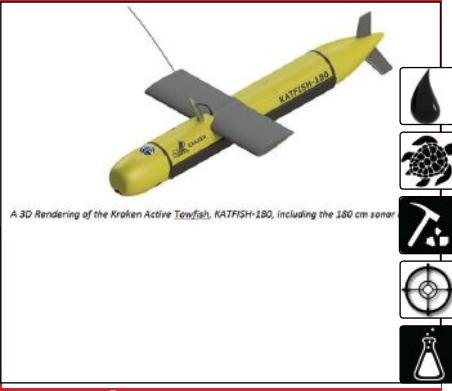
Email: [info@jwfishers.com](mailto:info@jwfishers.com)

URL link to distributors/dealers/agents: Scientists,

commercial salvage companies, archaeologists, utility industry

Mfr Notes: Fishers SBP-1 is an economical sub bottom profiler that shows the strata layers beneath the ocean floor as well as objects buried in the bottom.

## Kraken Sonar Systems Inc



### KATFISH

Size (m): LxWxH: 3 x 1.0 x 0.3 (w/ Wing)

In-Water Weight (kg): 30

In-Air Weight (kg): 140

Depth Range (m): 200

Max Towing Speed (kts): 8

Min Towing Speed (kts): 4

Payload (kg): Integrated

Roll Precision (Deg): < 1 deg

Nominal Cable Tension: 800 kg @ 8 kts

Nominal Power Requirements: 675 W

Max Operational Sea State: 4

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.krakensonar.com](http://www.krakensonar.com)

Contact:

Email: [info@krakensonar.com](mailto:info@krakensonar.com)

URL link to distributors/dealers/agents:

Mfr Notes: Standard KATFISH:

250m range SAS, 3cm res, 8kts

Gap filler

MBES

Full swath bathymetry

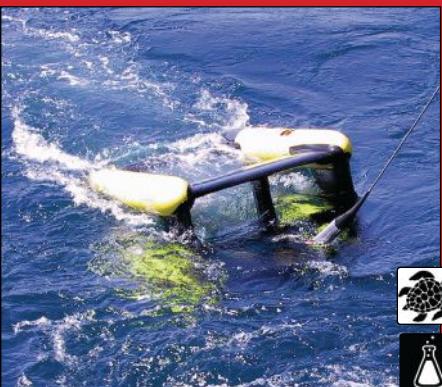
High accuracy USBL

# Towed Vehicles

## MacArtney



## MacArtney



## SMD



### FOCUS (2 & 3)

Size (m): LxWxH: 185x1,25x1,25/1,92x2,01x1,27

In-Water Weight (kg): 20 bouyant

In-Air Weight (kg): 120-160

Depth Range (m): 400/1000m

Max Towing Speed (kts): 10

Min Towing Speed (kts): 1

Payload (kg): 40-100

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements:

Max Operational Sea State:

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.macartney.com](http://www.macartney.com)

Contact: Hans-Jørgen Hansen

Email: [hjh@macartney.com](mailto:hjh@macartney.com)

URL link to distributors/dealers/agents:

Mfr Notes: FOCUS 2

The vehicle is constructed using carbon fibre technology and is based on the successful TRIAXUS vehicle design. The FOCUS 2 uses state-of-the-art computer technology and fibre optic telemetry for vehicle and sensor communication providing high data capacity in a very efficient package.

FOCUS 3

FOCUS 3 is the result of more than 25 years of constant product development and customer feedback. The design philosophy of the FOCUS 3 systems remains the same as the rest of the MacArtney ROTV systems: to provide a robust, easy-to-use, accurate, steerable, open and flexible instrumentation platform.

### TRIAXUS

Size (m): LxWxH: 1,85x1,25x1,27/1,85x1,95x1,27

In-Water Weight (kg): 20 bouyant

In-Air Weight (kg): 120-160

Depth Range (m): 400

Max Towing Speed (kts): 10

Min Towing Speed (kts): 1

Payload (kg): 40

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements:

Max Operational Sea State:

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.macartney.com](http://www.macartney.com)

Contact: Hans-Jørgen Hansen

Email: [hjh@macartney.com](mailto:hjh@macartney.com)

URL link to distributors/dealers/agents:

Mfr Notes: Adding a new dimension to towed vehicles, the TRIAXUS is the natural step forward from the existing 2D towed vehicle technology to a true 3D towfish. The TRIAXUS uses state of the art computer technology and fibre optic telemetry for vehicle and sensor communication.

### Backfill Plough (BP)

Size (m): LxWxH: 17.8-19.7 x 9.4-11.3 x 8.0-9.3

In-Air Weight (te): 100-120

In-Water Weight (te): 90-102

Max Depth (m): 1000

Max Bollard Pull (te): 200

Max Cut Depth (m):

Max Product Handling (m):

Surveillance Equipment:

Cameras:

Pan & Tilt:

Lights:

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimeter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF: [PDF](#)

Website: <http://www.smd.co.uk/products/ploughs-towed/bp.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

Mfr Notes: Sets the standard globally for pipeline stabilization and protection though backfill. Comes with a number of features to simplify and de-risk operations such as remotely variable mouldboard depth control and trench following front skids and steering. Also available with air tank buoyancy for minimum ground pressure. Can share the hydraulic surveillance and electric systems, lift point and remote intervention system with the Multipass Plough to reduce cost.

# Towed Vehicles

SMD



**HD - 200**

Size (m): LxWxH: 13.5x6.3x6.6

In-Water Weight (kg): 30,000

In-Air Weight (kg): 22,000

Depth Range (m): 2000

Max Towing Speed (kts): 0.5

Min Towing Speed (kts): 0

Payload (kg): N/A

Roll Precision (Deg): +/-15

Nominal Cable Tension: 5Te

Nominal Power Requirements:

Max Operational Sea State: 5

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: <https://www.smd.co.uk/products/ploughs-towed/hd-200.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL link to distributors/dealers/agents:

**Mfr Notes:** A high performance trenching solution for large diameter flexible umbilicals. Using patented technology the plough is designed to minimise pull force requirements and provide effective trenching capability up to 3.0m depth. The diverless loading system allows post lay burial in deepwater. Coupled with a tow winch, umbilical and LARS SMD are able to supply a turnkey flexible solution

SMD



**HD - 300**

Size (m): LxWxH: 15.0 x 6.5 x 6.6

In-Air Weight (te): 45

In-Water Weight (te): 39

Max Depth (m): 1500

Max Bollard Pull (te): 150

Max Cut Depth (m): 3.3

Max Product Handling (m): 0.3

Surveillance Equipment:

Cameras: 3 (HDTV optional)

Pan & Tilt: 3 x 24V P&T units

Lights: Up to 6 x 250V Dimmable LED subsea lamps

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimeter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: <http://www.smd.co.uk/products/ploughs-towed/hd-300.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

**Mfr Notes:** Provides a high performance trenching solution for large diameter flexible umbilicals. Using patented technology, the plough is designed to minimize pull force requirements and provide effective trenching capability up to 3.0m depth. The diverless loading system allows post lay burial in deepwater. Coupled with a tow winch, umbilical and LARS system, SMD are able to supply a turnkey flexible solution.

SMD



**MD3 - 160**

Size (m): LxWxH: 9.1x5.1x4.4

In-Water Weight (kg): 19,000

In-Air Weight (kg): 22,000

Depth Range (m): 2000

Max Towing Speed (kts): 0.5

Min Towing Speed (kts): 0

Payload (kg): N/A

Roll Precision (Deg): +/-15

Nominal Cable Tension: 5Te

Nominal Power Requirements:

Max Operational Sea State: 5

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: <https://www.smd.co.uk/products/ploughs-towed/md3-160.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL link to distributors/dealers/agents: NTT, TE

**Subcom, KCS, Deep Ocean, KTS, GMS**

**Mfr Notes:** A high performance trenching solution for large diameter flexible umbilicals. Using patented technology the plough is designed to minimise pull force requirements and provide effective trenching capability up to 3.0m depth. Coupled with a tow winch, umbilical and LARS system, SMD are able to supply a turnkey flexible solution.

# Towed Vehicles

SMD



## Multipass Plough (MP)

Size (m): LxWxH: 18.5-21.4 x 9.8-11.75 x 8.5-9.65

In-Air Weight (te): 140-180

In-Water Weight (te): 125-155

Max Depth (m): 1000

Max Bollard Pull (te): 250/300/350

Max Cut Depth (m): 2.5

Max Product Handling (m): 1.46

Surveillance Equipment:

Cameras:

Pan & Tilt:

Lights:

Obstacle Avoidance: Yes

Gyroscope: Yes

Responder/Transponder: Yes

Echosounder/Altimiter: Yes

Hydrophone: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized:

View PDF:

Website: <http://www.smd.co.uk/products/ploughs-towed/mp.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL to Distributors/Dealers/Agents:

**Mfr Notes:** Introduces further advances on the next generation AMP pipe plough by offering remotely variable multipass capability. Allows the operator to remotely adjust the depth during trenching. This, along with the advances introduced earlier on the AMP, Hi-Tow points and the active share track, make the MP the most advanced pipe trenching technology in the world. As per the AMP, 500Te trenching capability is available from only 350Te vessel pull.

SMD



## UD4 - 400

Size (m): LxWxH: 20x8x9.5

In-Water Weight (kg): 48,000

In-Air Weight (kg): 55,000

Depth Range (m): 500

Max Towing Speed (kts): 0.5

Min Towing Speed (kts): 0

Payload (kg): N/A

Roll Precision (Deg): +/-12

Nominal Cable Tension: 15Te

Nominal Power Requirements:

Max Operational Sea State: 5

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <https://www.smd.co.uk/products/ploughs-towed/ud4-400.htm>

Contact: Graeme Jaques

Email: [graeme.jaques@smd.co.uk](mailto:graeme.jaques@smd.co.uk)

URL link to distributors/dealers/agents: Deep

Ocean

**Mfr Notes:** A high performance trenching solution for large diameter flexible umbilicals. Using patented technology the plough is designed to minimise pull force requirements and provide effective trenching capability up to 3.0m depth. The diverless loading system allows post lay burial in deepwater.. Coupled with a tow winch, umbilical and LARS SMD are able to supply a turnkey flexible solution

Sound Ocean Systems, Inc.



## Custom Faired Fiberglass Tow Bodies

Size (m): LxWxH:

In-Water Weight (kg):

In-Air Weight (kg):

Depth Range (m):

Max Towing Speed (kts):

Min Towing Speed (kts):

Payload (kg):

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements:

Max Operational Sea State:

Active Control:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.soundocean.com](http://www.soundocean.com)

Contact: Ted Brockett

Email: [ted@soundocean.com](mailto:ted@soundocean.com)

URL link to distributors/dealers/agents:

**Mfr Notes:** SOSI designs and manufactures custom neutrally buoyant fiberglass tow bodies for side scan sonar, seafloor survey, mid-water survey, and other applications.

# Towed Vehicles

## Sound Ocean Systems, Inc.



### Ocean Mining Collectors

Size (m): LxWxH:

In-Water Weight (kg):

In-Air Weight (kg):

Depth Range (m):

Max Towing Speed (kts):

Min Towing Speed (kts):

Payload (kg):

Roll Precision (Deg):

Nominal Cable Tension:

Nominal Power Requirements:

Max Operational Sea State:

Active Control:

Optional Equipment Available:

Vehicle can be buyer customized:

View PDF:

Website: [www.soundocean.com](http://www.soundocean.com)

Contact: **Ted Brockett**

Email: [ted@soundocean.com](mailto:ted@soundocean.com)

URL link to distributors/dealers/agents:

**Mfr Notes:** SOSI designs and manufactures proven deep ocean mining collectors and related polymetallic nodule mining equipment and systems. SOSI has unique first hand experience in the development and manufacture of manganese nodule mining systems.

## Vehicle Control Technologies, Inc.



### Maneuvering Tow Body (MTB)

Size (m): LxWxH: 2.67 x 0.32 x 0.32

In-Water Weight (kg): 1

In-Air Weight (kg): 220

Depth Range (m): 300

Max Towing Speed (kts): 7

Min Towing Speed (kts): 2

Payload (kg): Length adapted to meet payload

size / weight

Roll Precision (Deg): less than 1 deg

Nominal Cable Tension: 1,200 lbs

Nominal Power Requirements: 200 WATTS

Max Operational Sea State: 4

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [vctinc.com](http://vctinc.com)

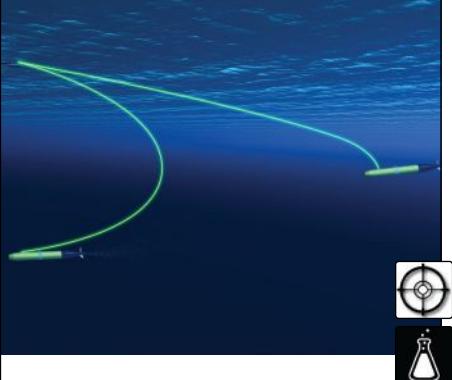
Contact: **Douglas E. Humphreys**

Email: [dhumphreys@vctinc.com](mailto:dhumphreys@vctinc.com)

URL link to distributors/dealers/agents:

**Mfr Notes:** Autopilot depth control eliminates need for constant winch operator control. A single system can be used as a high-performance tow body/UUV based on the same vehicle. VCT modular tail design allows the vehicle to be scaled in diameter to accommodate payload requirements. MTB uses a wing depressor to attain depth.

## Vehicle Control Technologies, Inc.



### Powered Tow Body (PTB)

Size (m): LxWxH: 2.67 x 0.32 x 0.32

In-Water Weight (kg): 1

In-Air Weight (kg): 225

Depth Range (m): 300

Max Towing Speed (kts): 7

Min Towing Speed (kts): 2

Payload (kg): Length adapted to meet payload

size / weight

Roll Precision (Deg): less than 1 deg

Nominal Cable Tension: <1,200 lbs

Nominal Power Requirements: 5KW

Max Operational Sea State: 4

Active Control: Yes

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [vctinc.com](http://vctinc.com)

Contact: **Douglas E. Humphreys**

Email: [dhumphreys@vctinc.com](mailto:dhumphreys@vctinc.com)

URL link to distributors/dealers/agents:

**Mfr Notes:** Powered Tow Body (PTB) differs from MTB in that it has propulsion system like a UUV and it uses power and pitch to achieve depth. Autopilot depth control eliminates need for constant winch operator control. VCT modular tail design allows the vehicle to scale in diameter to accommodate payload requirements.

“ *Out of sight...out of mind, and out of mind can mean out of business.*

*If your competition is hiding, right now you can have a larger share of mind. Familiarity breeds preference, and preference leads to long term customer loyalty* ”

*The Warren Buffet Perspective*



# USVs

## Market Symbols



Defence



Seabed  
Mining



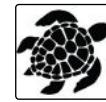
Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

## AI Seer Marine



### Eclipse

Size (m): Length: 11

Beam: 3.1

Height: 4.25 / 2.62 mast folded

Weight (kg): 9,000

Draft (m): 0.7

Max Speed (knots): 43

Endurance (hrs): 12 @cruising speed

Range (km): 360 excl 15% fuel reserve

Primary Propulsion: twin waterjet

Powered by: Diesel, Electric, Hybrid

Navigation Aids: Radar, sonar

Maximum Payload (kg): 500

Standard Equipment: 2 video cameras, NET-

Node comms suite

Optional Equipment Available: Yes

View PDF:

Website: [www.alseermarine.ae](http://www.alseermarine.ae)

Contact: Russell Bartlett

Email: [operations@alseermarine.ae](mailto:operations@alseermarine.ae)

URL to Distributors/Dealers/Agents:

[www.alseermarine.ae/www.5gmarine.com](http://www.alseermarine.ae/www.5gmarine.com)

Mftr Notes Vector thrusting with optional hybrid propulsion system for station keeping and silent running. Hyperspike long range acoustic hailing device. air/water sampling sensor suite. Autonomous mode with Obstacle Avoidance System.

## AI Seer Marine



### Eclipse RHIB

Size (m): Length: 11

Beam: 3.6

Height: 4.72

Weight (kg): 8,000

Draft (m): 0.8

Max Speed (knots): 46

Endurance (hrs): 8 @cruising speed

Range (km): 240 excl 15% fuel reserve

Primary Propulsion: twin waterjet

Powered by: Diesel

Navigation Aids: Radar, sonar

Maximum Payload (kg): 500

Standard Equipment: 2 video cameras, NET-

Node comms suite

Optional Equipment Available: Yes

View PDF:

Website: [www.alseermarine.ae](http://www.alseermarine.ae)

Contact: Russell Bartlett

Email: [operations@alseermarine.ae](mailto:operations@alseermarine.ae)

URL to Distributors/Dealers/Agents:

[www.alseermarine.ae/www.5gmarine.com](http://www.alseermarine.ae/www.5gmarine.com)

Mftr Notes Manned and unmanned capability. Vector thrusting propulsion. Autonomous mode with Obstacle Avoidance System.

## AI Seer Marine



### Hydra

Size (m): Length: 4.2

Beam: 1.6

Height: 2 / 1.3 radar arch folded

Weight (kg): 400

Draft (m): 0.3

Max Speed (knots): 52

Endurance (hrs): 3.1 @cruising speed

Range (km): 145 excl 15% fuel reserve

Primary Propulsion: waterjet

Powered by: Gasoline

Navigation Aids: Radar, sonar

Maximum Payload (kg): 250

Standard Equipment: Video camera, NETNode

comms suite

Optional Equipment Available:

View PDF:

Website: [www.alseermarine.ae](http://www.alseermarine.ae)

Contact: Russell Bartlett

Email: [operations@alseermarine.ae](mailto:operations@alseermarine.ae)

URL to Distributors/Dealers/Agents:

[www.alseermarine.ae/www.5gmarine.com](http://www.alseermarine.ae/www.5gmarine.com)

Mftr Notes Can be carried onboard mother ship and deployed where required. Portable Command & Control Station available. Autonomous mode with Obstacle Avoidance System.

# USVs

## ASV Global



**C-Cat 3**

Size (m): Length: 3.02

Beam: 1.55

Height: 1.9

Weight (kg): 340

Draft (m): 0.7

Max Speed (knots): 7

Endurance (hrs): Contact ASV Global for details

Range (km): Dependent on communications

Primary Propulsion: 2 X DC Electric Motors

Powered by: Electric

Navigation Aids: GPS, Camera

Maximum Payload (kg): 70

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-cat-3>

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes C-Cat 3 has been developed to complement the existing ocean going ASV Global vessels for survey and support tasks where a smaller vessel is better suited to missions. The design incorporates a large payload bay to enable flexibility of payloads used.

## ASV Global



**C-Enduro**

Size (m): Length: 4.2

Beam: 2.4

Height: 2.8

Weight (kg): 350 lightship

Draft (m): 0.4

Max Speed (knots): Up to 6.5

Endurance (hrs): 720+

Range (km): Dependent on communications

Primary Propulsion: 2 x DC motors

Powered by: Diesel, Electric, Solar, Wind

Navigation Aids: GPS, AIS, Camera

Maximum Payload (kg): 50

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-enduro>

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes C-Enduro is a long endurance autonomous surface vehicle designed to safely and cost effectively collect data at sea.

## ASV Global



**C-Stat**

Size (m): Length: 2.6

Beam: 1.4

Height: 1.9

Weight (kg): 470

Draft (m):

Max Speed (knots): 3.7

Endurance (hrs): 120

Range (km): Dependent on communications

Primary Propulsion: Diesel generator, batter and 2 x DC thrusters

Powered by: Diesel, Electric

Navigation Aids: GPS, Camera

Maximum Payload (kg): 20

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-sweep>

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes C-Stat has been designed to remain on station for extended periods without the need for a ship on station or seabed anchoring.

## ASV Global



**C-Sweep**

Size (m): Length: 10.8

Beam: 3.5

Height: 2.9

Weight (kg): 9000

Draft (m): 0.7

Max Speed (knots): 25+

Endurance (hrs): 20 (cruise speed)

Range (km): Dependent on communications

Primary Propulsion: 2 X Diesel Engines

Powered by: Diesel

Navigation Aids: GPS, Radar, Night Vision Camera

Maximum Payload (kg): 2500

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-sweep>

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes *C-Sweep, a multi-role mine countermeasures autonomous surface vehicle is designed for long endurance mine sweeping missions.*

## ASV Global



**C-Worker 4**

Size (m): Length: 4.17

Beam: 1.58

Height: 2.5

Weight (kg): 680 lightship

Draft (m): 0.4

Max Speed (knots): 7

Endurance (hrs): Up to 48

Range (km): Dependent on communications

Primary Propulsion: Marine diesel engine driving

waterjet

Powered by: Diesel

Navigation Aids: GPS, AIS, Radar, Camera

Maximum Payload (kg):

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes *The smaller of the C-Worker class of vehicles, the C-Worker 4 is a diesel powered ASV designed to complete a variety of offshore and inshore survey tasks. The vehicle has the ability to integrate a range of standard survey payloads including ADCP, USBL, PAM and CTD.*

## ASV Global



**C-Worker 5**

Size (m): Length: 5.5

Beam: 1.7

Height: 1.8

Weight (kg): 1900

Draft (m): 0.9

Max Speed (knots): 10

Endurance (hrs): 168

Range (km): Dependent on communications

Primary Propulsion: Direct driver fixed propeller

1 x Yanmar 57hp diesel engine

Powered by: Diesel

Navigation Aids: GPS, AIS, Camera

Maximum Payload (kg): 20kg (on pole); 35kg (in 19" rack)

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-worker-5>

Contact: Vince Dobbin

Email: sales@asvglobal.com

URL to Distributors/Dealers/Agents:

Mfr Notes *C-Worker 5 is the ideal platform to support hydrographic survey work. Designed as a force multiplier to enable increased coverage and minimise weather risk through reduced survey duration. C-Worker 5 is designed for up to 5 days endurance at survey speeds of up to 7 knots.*

# USVs

## ASV Global



**C-Worker 6**

Size (m): Length: 5.8

Beam: 2.2

Height: 4.75

Weight (kg): 3500 lightship

Draft (m): 0.9

Max Speed (knots): 6.5

Endurance (hrs): up to 720

Range (km): Dependent on communications

Primary Propulsion: 2 diesel generator sets driving 2 electrical pods via battery bank

Powered by: Diesel, Electric

Navigation Aids: GPS, Radar, Night Vision

Camera

Maximum Payload (kg): 500

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-worker-6>

Contact: Vince Dobbin

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes The C-Worker 6 is a multi-role work class ASV suitable for a variety of offshore and coastal tasks. The vehicle can be used to complete tasks such as sub-sea positioning, surveying and environmental monitoring without the need of a ship on station or sea-bed anchoring.

## ASV Global



**C-Worker 7**

Size (m): Length: 7.2

Beam: 2.3

Height: 4.2

Weight (kg): 5300 lightship

Draft (m): 0.9

Max Speed (knots): 6.5

Endurance (hrs): Contact ASV for details

Range (km): Dependent on communications

Primary Propulsion: 2 x 20kW

Powered by: Diesel, Electric

Navigation Aids: GPS, AIS, Camera

Maximum Payload (kg): 500

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: <http://asvglobal.com/product/c-worker-7>

Contact: Vince Dobbin

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes The C-Worker 7 is a multi-role work class ASV suitable for a variety of offshore and coastal tasks. The vehicle can be used to complete tasks such as sub-sea positioning, surveying and environmental monitoring without the need of a ship on station or sea-bed anchoring.

## ASV Global



**C-Worker 8**

Size (m): Length: 7.7

Beam: 2.14

Height: 4.24

Weight (kg): 3700 lightship

Draft (m): 0.99

Max Speed (knots): 10

Endurance (hrs): Contact ASV Global for details

Range (km): Dependent on communications

Primary Propulsion: 2 x 45Hp Diesel engines driving fixed pitch propellers

Powered by: Diesel

Navigation Aids: GPS, Camera

Maximum Payload (kg):

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

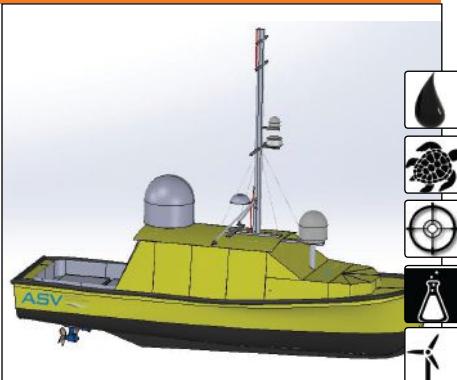
Contact: Vince Dobbin

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes C-Worker 8 is a multi-role work class ASV. The vehicle is suitable for a variety of offshore and coastal tasks including subsea positioning, surveying and environmental monitoring without the need of a ship on station or sea-bed anchoring.

## Willard / ASV Global



### C-Worker 12P

Size (m): Length: 12.17

Beam: 3.66

Height: 3.96

Weight (kg): 14500

Draft (m): 1.17

Max Speed (knots): 10

Endurance (hrs): 480 (at 8 knots)

Range (km): 7112

Primary Propulsion: 2 Olympic Azimuth Drives

Powered by: Diesel

Navigation Aids: ASV Navigation Package

Maximum Payload (kg): 2268 (with max fuel)

Standard Equipment: 2-110HP Diesel 360 degree slew-able Z-Drives roll stabilization gyro, 2-22 GPM hydraulic pumps, dual satellite domes, hydraulic A-frame, radar, 360 camera package & obstacle avoidance software

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

Contact: Larry Karl

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes

## ASV Global



### C-Target 6

Size (m): Length: 6.5

Beam: 2.1

Height: 2.3

Weight (kg): 1200

Draft (m): 0.3

Max Speed (knots): 35

Endurance (hrs):

Range (km): 10+

Primary Propulsion: Petrol outboards

Powered by: Gas

Navigation Aids: GPS, Camera

Maximum Payload (kg):

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

Contact: Vince Dobbin

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes The C-Target 6 can be used as a direct fire target or as a tow boat for inflatable targets. The vehicle can be customised to resemble specific craft and is configurable between manned and unmanned modes.

## ASV Global



### C-Target 9

Size (m): Length: 9.6

Beam: 2.4

Height: 3.5

Weight (kg): 2750

Draft (m): 0.4

Max Speed (knots): 54

Endurance (hrs):

Range (km): 10+

Primary Propulsion: Petrol outboards

Powered by: Gas

Navigation Aids: GPS, Camera

Maximum Payload (kg):

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

Contact: Vince Dobbin

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes The C-Target 9 is a high speed vehicle capable of acting as a direct fire target or as a tow boat for inflatable targets or other small craft. The vehicle can be customised to resemble specific craft and is configurable between manned and unmanned modes.



## Autonomous Marine Systems



### C-Target 13

Size (m): Length: 12.9

Beam: 2.7

Height: 3.9

Weight (kg): 4200

Draft (m): 0.5

Max Speed (knots): 45+

Endurance (hrs):

Range (km): 10+

Primary Propulsion: Petrol outboards

Powered by: Gas

Navigation Aids: GPS, Camera

Maximum Payload (kg):

Standard Equipment: Contact ASV for details

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.asvglobal.com](http://www.asvglobal.com)

Contact: **Vince Dobbin**

Email: [sales@asvglobal.com](mailto:sales@asvglobal.com)

URL to Distributors/Dealers/Agents:

Mfr Notes The C-Target 13 is a high speed vehicle capable of acting as a direct fire target or as a tow boat for inflatable targets or other small craft. The vehicle can be customised to resemble specific craft and is configurable between manned and unmanned modes.

### The Datamaran

Size (m): Length: 2.5

Beam: 2.0

Height: 2.5

Weight (kg): 70

Draft (m):

Max Speed (knots): 8

Endurance (hrs): 4000

Range (km): 15,000

Primary Propulsion: wind

Powered by: Solar, Wind

Navigation Aids: GPS

Maximum Payload (kg): 20

Standard Equipment: Accelerometer, camera, air

temperature, air pressure, wind speed & direction

Optional Equipment Available: Yes

View PDF:

Website: [www.automarinesys.com/technology](http://www.automarinesys.com/technology)

Contact: **Scott Nguyen**

Email: [info@automarinesys.com](mailto:info@automarinesys.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Autonomous Marine Systems delivers a global platform for ocean observation using intelligent sensor networks powered by the Datamaran. Our unmanned surface vehicles autonomously collect data from above and below the surface of almost any body of water and transmit this information directly to our clients.

## Deep Ocean Engineering, Inc.



**H-1750**

Size (m): Length: 1.75

Beam: 1000

Height:

Weight (kg): 45

Draft (m):

Max Speed (knots):

Endurance (hrs): 8+

Range (km): 2

Primary Propulsion: Two (2) 1/2hp thrusters

Powered by: Electric

Navigation Aids: GPS, Autonomous software

Maximum Payload (kg): 100

Standard Equipment: HD camera, GPS (user specified), on board PC, siren, flashing light

Optional Equipment Available:

View PDF:

Website: [www.deepocean.com/usvh-1750.php](http://www.deepocean.com/usvh-1750.php)

Contact: AJ Cecchettini

Email: [ajcecchettini@deepocean.com](mailto:ajcecchettini@deepocean.com)

URL to Distributors/Dealers/Agents:

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

Mfr Notes The H1750 is a remotely controlled electric surface vessel designed to make safe, unmanned measurements in a variety of environments. It is fully customizable with a whole suite of sampling options for data acquisition.

## Deep Ocean Engineering, Inc.



**I-1650**

Size (m): Length: 1.65

Beam: 0.695

Height:

Weight (kg): 30

Draft (m):

Max Speed (knots):

Endurance (hrs): 4-8

Range (km): 2

Primary Propulsion: Two (2) 1/2hp thrusters

Powered by: Electric

Navigation Aids: GPS, Autonomous software

Maximum Payload (kg): 100

Standard Equipment: HD camera, GPS (user specified), on board PC, siren, flashing light

Optional Equipment Available:

View PDF:

Website: [www.deepocean.com/usvi-1650.php](http://www.deepocean.com/usvi-1650.php)

Contact: AJ Cecchettini

Email: [ajcecchettini@deepocean.com](mailto:ajcecchettini@deepocean.com)

URL to Distributors/Dealers/Agents:

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

Mfr Notes The I-1650 is a remotely controlled electric surface vessel designed to make safe, unmanned measurements of currents, bathymetry, and discharge with ADCPs and single/multibeam sonars. It is fully customizable with a computer, GPS, HD video, depth sounder and a variety of other instruments.

## ECA GROUP



**INSPECTOR MKII**

Size (m): Length: 9

Beam: 2.9

Height: 3.45

Weight (kg): 4500

Draft (m):

Max Speed (knots): 35

Endurance (hrs): 10 h at 12 kt/ 20h at 6 kt

Range (km): 120 NM

Primary Propulsion: 2 x hydrojet

Powered by: Diesel

Navigation Aids: IMU, DGPS, Broadband radar

Maximum Payload (kg): 700

Standard Equipment: Drone kit, cameras, large payload management bay, remote control station, inboard drone functionalities display, revolving bowl keel arm, crew cabin

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: [www.ecagroup.com/en/solutions/unmanned-surface-vehicle-inspector-mk2](http://www.ecagroup.com/en/solutions/unmanned-surface-vehicle-inspector-mk2)

Contact: Valentin Hanns

Email: [eca-rsm@ecagroup.com](mailto:eca-rsm@ecagroup.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Inspector MK 2 can be delivered with different payload modules:

- Homeland Security following: Directional spotlight, EOD, LRAD
- Mine Counter measurer following: remote controlled robot inspection, Mine killers and very shallow water Side Scan Sonar
- Rapid Environmental Assessment result: Very Shallow Water Side Scan Sonar and Side Scan Sonar Towed Deployed from a remote controled Module

# USVs

## Echostream, Inc.



### Kingfisher USV

Size (m): Length: 1.350

Beam: 0.980

Height: 0.320

Weight (kg): 22

Draft (m): 0.15

Max Speed (knots): 3.3

Endurance (hrs): 3 @ 1 m/s

Range (km): 10.8 @ 1 m/s

Primary Propulsion: electric water jet thrusters

Powered by: Electric

Navigation Aids: Tele-op, semi/full autonomy

Maximum Payload (kg): 10

Standard Equipment: Single-beam Echosounder (SBES), Motion Reference Unit (MRU), Operator Control Unit (OCU), WiFi Base Station

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.clearpathrobotics.com

Contact: Robin Lefler

Email: rlefler@clearpathrobotics.com

URL to Distributors/Dealers/Agents:

Mfr Notes Can integrate different side-scan, multi-beam, dual-frequency, sub-bottom profiling sonars and other water quality sensors.

## emma technologies GmbH



### BOSS

Size (m): Length: 1.5

Beam: 1.3

Height:

Weight (kg):

Draft (m): 0.2

Max Speed (knots): 3

Endurance (hrs): 4

Range (km): 6

Primary Propulsion: 2x electric engines

Powered by: Electric

Navigation Aids: DGPS (RTK), MRU

Maximum Payload (kg): 70

Standard Equipment: Ask for your individual setup

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.emma-technologies.com

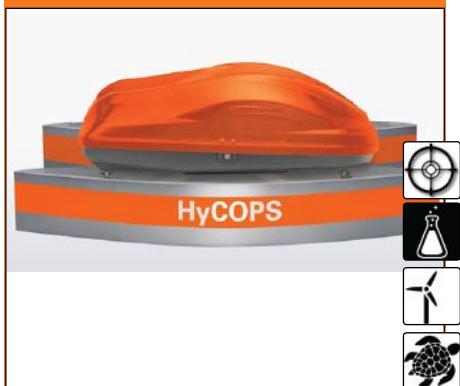
Contact: Maarit Loide

Email: ask-emma@emma-technologies.com

URL to Distributors/Dealers/Agents:

Mfr Notes Real workclass vehicle. Lightweight and rigid structure.

## emma technologies GmbH



### HyCoPS

Size (m): Length: 1.6

Beam: 1.2

Height:

Weight (kg):

Draft (m): 0.3

Max Speed (knots): 3

Endurance (hrs): 6

Range (km): 6

Primary Propulsion: 4x electric engines

Powered by: Electric

Navigation Aids: DGPS (RTK), MRU

Maximum Payload (kg): 50

Standard Equipment: Ask for your individual setup

Optional Equipment Available: Yes

View PDF:

Website: www.emma-technologies.com

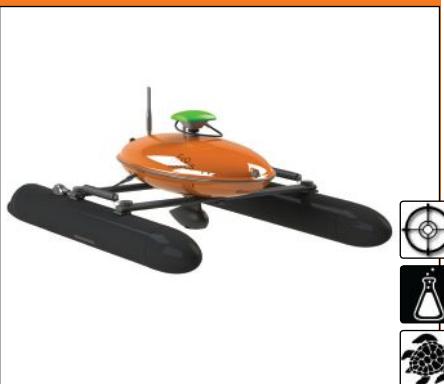
Contact: Maarit Loide

Email: ask-emma@emma-technologies.com

URL to Distributors/Dealers/Agents:

Mfr Notes Most advanced

## EvoLogics GmbH



### Sonobot USV

Size (m): Length: 1.320

Beam: 0.920

Height: 0.450

Weight (kg): 30

Draft (m):

Max Speed (knots): 7

Endurance (hrs): over 10

Range (km): 40

Primary Propulsion: Jet thrusters

Powered by: Electric

Navigation Aids: Autopilot, GPS, GNSS, DGPS

Maximum Payload (kg):

Standard Equipment: Echosounder, Side-Scan Sonar,

GPS/GNSS receiver, autopilot, mission planning soft-

ware, remote control, WLAN shore station, field PC

Optional Equipment Available: Yes

View PDF:

Website: <http://eologics.de/en/products/sonobot/index.html>

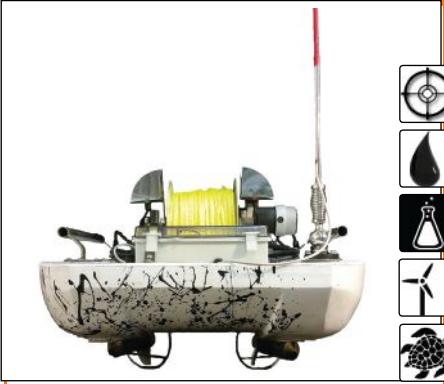
Contact: Francisco Bustamante

Email: sales@eologics.de

URL to Distributors/Dealers/Agents:

Mfr Notes: SONOBOT USV offers a usable platform for planning and executing a hydrographic survey, delivering accurate geo-referenced bathymetric measurements and high-quality imagery with minimum transport, launch and recovery efforts.

## Juice Robotics LLC



### Yo-yo

Size (m): Length: 1.06

Beam: 0.95

Height: 0.93

Weight (kg): 1.36

Draft (m): 0.43

Max Speed (knots): 10

Endurance (hrs): 2-8

Range (km): 1

Primary Propulsion: 4 Thrusters

Powered by: Electric

Navigation Aids: GNSS, INS, USBL

Maximum Payload (kg): 20

Standard Equipment: Drop Camera or ROV,

Shore Side User Interface

Optional Equipment Available: Yes

View PDF:

Website: [www.juicerobotics.com/?page\\_id=1377](http://www.juicerobotics.com/?page_id=1377)

Contact: Matt Jewell

Email: matt@juicerobotics.com

URL to Distributors/Dealers/Agents:

Mfr Notes: A USV and subsea module make up the Yo-yo system. This hybrid system can get a drop camera or ROV on site without additional infrastructure (ships, generators, etc.)

## L-3 CALZONI



### MiniRanger

Size (m): Length: 4.7

Beam: 2

Height: 2

Weight (kg): 800

Draft (m): 0.5

Max Speed (knots): 18

Endurance (hrs): 10

Range (km): 10

Primary Propulsion: Outboard

Powered by: Diesel

Navigation Aids: GPS, Compass, IMU

Maximum Payload (kg): 400

Standard Equipment: SideScan Sonar towed, Si-

deScan sonar hull-mount, L&R system

Optional Equipment Available: Yes

View PDF:

Website: [www.calzoni.com](http://www.calzoni.com)

Contact: Marcello Zannini

Email: Marcello.Zannini@L-3com.com

URL to Distributors/Dealers/Agents:

Mfr Notes:

# USVs •

## L-3 CALZONI



### U-Ranger

Size (m): Length: 7

Beam: 2.5

Height: 2

Weight (kg): 1700

Draft (m): 0.8

Max Speed (knots): 40+

Endurance (hrs): 10

Range (km): 10

Primary Propulsion: Inboard

Powered by: Diesel

Navigation Aids: GPS, Compass, IMU

Maximum Payload (kg): 800

Standard Equipment: Camera PTZ, Sonar hull-mount Retractable

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.calzoni.com](http://www.calzoni.com)

Contact: Marcello Zannini

Email: [Marcello.Zannini@L-3com.com](mailto:Marcello.Zannini@L-3com.com)

URL to Distributors/Dealers/Agents:

Mfr Notes

## Liquid Robotics, Inc.



### Wave Glider SV3

Size (m): Length: 3.05

Beam: 0.81

Height: 4 - 20

Weight (kg): 150

Draft (m): 4 - 20

Max Speed (knots): 3

Endurance (hrs): Up to a year at sea

Range (km): Ocean scale, 500K nm to date

Primary Propulsion: Wave Power

Powered by: Solar, Wave

Navigation Aids: GPS

Maximum Payload (kg): Variable based on power consumption and sensor size.

Standard Equipment: Communications (Iridium, WiFi, Mobile (GSM)), GPS, AIS Receiver, Solar Power, Auxiliary Thrudder, onboard computing and storage, battery storage and modular payload dry boxes. Linux/Java based Operating Environment and Wave Glider Management System are included.

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: <http://www.liquidr.com/technology/waveglider/sv3.html>

Contact: Liquid Robotics

Email: [info@liquidr.com](mailto:info@liquidr.com)

URL to Distributors/Dealers/Agents:

Liquid Robotics Oil & Gas (www.lrog.com), www.liquidr.com/company/partners/channel-partners.html

Mfr Notes Wave Glider SV3 is the world's first ocean robot propelled by wave and solar energy. Built for a diverse universe of ocean sensors, it incorporates advancements in energy harvesting technology and system design enabling long-duration missions to areas of the ocean previously too remote, costly or dangerous to explore.

## Marine Advanced Research



### BOSS WAM-V

Size (m): Length: 4.90

Beam: 2.40

Height: 1.10

Weight (kg): 181

Draft (m): 0.15 - 0.41

Max Speed (knots): 11

Endurance (hrs): 30

Range (km): 185

Primary Propulsion: twin water jets or electric props

Powered by: Solar, Electric, Gas

Navigation Aids: GPS, IMU, USCG spec lights

Maximum Payload (kg): 113

Standard Equipment: Wave Adaptive Modular Vessel and Propulsion, Mobile Control Unit, Self-Contained Remote Command Station, Integrated On-board Control System, Autonomous NAV-COM Software, Adjustable DGPS, Multibeam, Sidescan, ADCP, SBP mounts.

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [View PDF](#)

Website: [www.wam-v.com](http://www.wam-v.com)

Contact: Marine Survey Department

Email: [sales@wam-v.com](mailto:sales@wam-v.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Rugged, reliable, cost saving, commercial hydrography and geophysical surveys..

## Marine Advanced Research



### SENTINEL WAM-V

Size (m): Length: 4.90  
Beam: 2.40  
Height: 1.10  
Weight (kg): 181  
Draft (m): 0.15-0.41  
Max Speed (knots): 11  
Endurance (hrs): 30  
Range (km): 185  
Primary Propulsion: twin water jets or electric props  
Powered by: Electric, Gas  
Navigation Aids: GPS, IMU, PTZ Cameras, USCG spec lights  
Maximum Payload (kg): 113  
Standard Equipment: Wave Adaptive Modular Vessel and Propulsion, Mobile Control Unit, Self-Contained Remote Command Station, Integrated Onboard Control System, Autonomous NAV-COM Software. High Res PTZ camera, 180 FOV Nav Camera.  
Optional Equipment Available: Yes  
Vehicle can be buyer customized: Yes  
View PDF: [View PDF](#)  
Website: [www.wam-v.com](http://www.wam-v.com)  
Contact: Maritime Security Department  
Email: [sales@wam-v.com](mailto:sales@wam-v.com)  
URL to Distributors/Dealers/Agents:  
Mftr Notes Scalable, robust solutions for port and harbor security and coastal monitoring.

## Marine Advanced Research



### 16' WAM-V USV

Size (m): Length: 4.9  
Beam: 2.4  
Height:  
Weight (kg): 181  
Draft (m): 0.15 - .41  
Max Speed (knots): 11  
Endurance (hrs):  
Range (km): Up to 185 at 3 knots  
Primary Propulsion: 2 x electric outboards or 2 x water jets  
Powered by: Electric  
Navigation Aids:  
Maximum Payload (kg): 113  
Standard Equipment:  
Optional Equipment Available: Yes  
View PDF: [View PDF](#)  
Website: [www.wam-v.com/16-wam-v-usv](http://www.wam-v.com/16-wam-v-usv)  
Contact: Mark Gundersen, President & CEO  
Email: [info@wam-v.com](mailto:info@wam-v.com)  
URL to Distributors/Dealers/Agents:  
Mftr Notes Introducing the newest edition to the WAM-V product line.

## Marine Tech



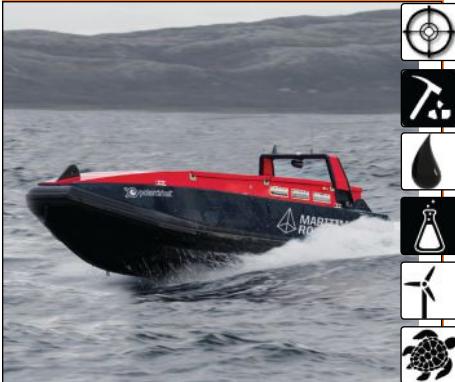
### RSV Orca 2

Size (m): Length: 3.2  
Beam: 1.5 m  
Height: 1.2 m  
Weight (kg): 250  
Draft (m): 0.4  
Max Speed (knots): 12  
Endurance (hrs): up to 24 hrs  
Range (km): 4km with remote control / unlimited with autopilot  
Primary Propulsion: 2x2 electric engines  
Powered by: Electric  
Navigation Aids: GPS, anticollision radar, video camera  
Maximum Payload (kg): 250  
Standard Equipment: Real-time video and data transfer, Remote control and Autopilot, Noiseless and non-magnetic platform, 12h autonomy / up to 12 knots  
Optional Equipment Available: Yes  
Vehicle can be buyer customized: Yes  
View PDF:  
Website: <http://en.marinetech.fr/Marine-survey-USV#a380>  
Contact: Magali MOURIES  
Email: [contact@marinetech.fr](mailto:contact@marinetech.fr)  
URL to Distributors/Dealers/Agents: Please contact Marine Tech

Mftr Notes The RSV is a reliable and user-friendly USV dedicated to marine survey (up to sea-state 3). Data recorded by sensors on-board are transmitted in real time to the operator to a control base up to 10km and positionning is provided by high precision GPS, gyrocompass and motion sensor.

# USVs

## Maritime Robotics



### Mariner

Size (m): Length: 5.85

Beam: 2.05

Height: 2.05

Weight (kg): 1700

Draft (m): 0.4

Max Speed (knots): > 30

Endurance (hrs): > 50

Range (km):

Primary Propulsion: Waterjet

Powered by: Diesel

Navigation Aids:

Maximum Payload (kg): 500

Standard Equipment: Multibeam echosounder,

CDT/ADCP/MET sensor (MetOcean), HPR, Cameras, Chemical sensors

Optional Equipment Available:

View PDF: [View PDF](#)

Website: [www.maritimerobotics.com](http://www.maritimerobotics.com)

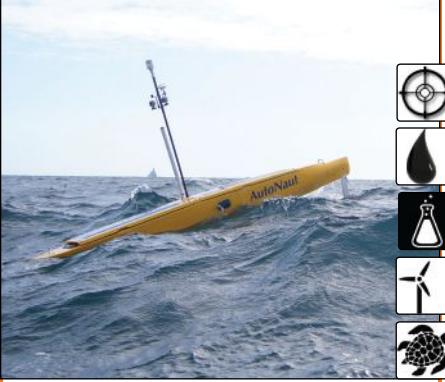
Contact:

Email:

URL to Distributors/Dealers/Agents:

**Mfr Notes** The Mariner USV is a multipurpose unmanned vehicle with hull and superstructure made of polyethylene. The vehicle will fit into a standard 20 feet container for easy cargo shipping. The Mariner is equipped with a large payload room of more than one cubic meter and can be equipped with a variety of surface and sub-surface sensors/payload types.

## MOST (Autonomous Vessels) Ltd



### AutoNaut 3.5m

Size (m): Length: 3.5

Beam: 0.45

Height: mast to 0.20

Weight (kg): 120

Draft (m): 0.24

Max Speed (knots): 3

Endurance (hrs): 3+ months

Range (km): 4000+

Primary Propulsion: wave propulsion with electric for calm and slipway launch

Powered by: Wave

Navigation Aids: all round white light, AIS with collision avoidance, radar transponder

Maximum Payload (kg): 40

Standard Equipment: AirMar weather station,

Campbell insolation sensor, cameras, Wetlabs Triplet Puck, CTDs, ADCP, MBES, towed hydrophone and thermal arrays

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.autonautusv.com](http://www.autonautusv.com)

Contact: Mike Poole

Email: [mikep@most-av.com](mailto:mikep@most-av.com)

URL to Distributors/Dealers/Agents:

**Mfr Notes** AutoNaut is a storm-proven USV, wave propulsion provides long endurance. Silence and low profile make her a superb surveillance platform. Sensors on mast, through hull, and towed.

## MOST (Autonomous Vessels) Ltd



### AutoNaut 5m

Size (m): Length: 5

Beam: 0.79

Height: mast to 3

Weight (kg): 230

Draft (m): 0.17

Max Speed (knots): 4

Endurance (hrs): 3+ months

Range (km): 4000+

Primary Propulsion: wave propulsion with electric for calm and slipway launch

Powered by: Wave

Navigation Aids: all round white light, AIS with collision avoidance, radar transponder

Maximum Payload (kg): 130

Standard Equipment: AirMar weather station,

Campbell insolation sensor, cameras, WetLabs Triplet Puck, CTDs, ADCP, MBES, towed hydrophone and thermal arrays, winched SV and other sensors

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.autonautusv.com](http://www.autonautusv.com)

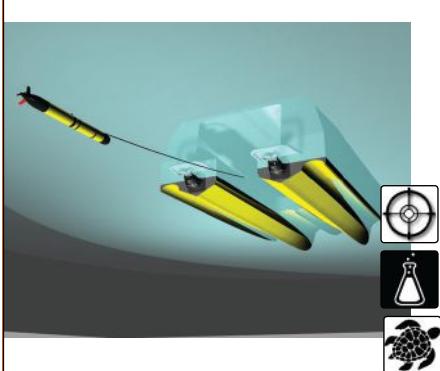
Contact: Mike Poole

Email: [mikep@most-av.com](mailto:mikep@most-av.com)

URL to Distributors/Dealers/Agents:

**Mfr Notes** A newly developed design with increased capacity for payloads, hotel power, and also speed, towing power, higher mast and winch.

## MSHIPCO, LLC



### Magneto USV

Size (m): Length: 14.6

Beam: 6.1

Height: 3.81 (No Mast)

Weight (kg): 14,600

Draft (m): 0.65

Max Speed (knots): 30+

Endurance (hrs): 45

Range (km): 1,667 (@ 10 m/s)

Primary Propulsion: Caterpillar C9

Powered by: Diesel, Other: Hamilton Waterjects with ZF280 gearbox

Navigation Aids: Sensintel's Piccolo-based system

Maximum Payload (kg): 4,082

Standard Equipment: Engine instrument and control package; Hydraulic steering system; Diesel fuel tankage and monitoring system; Bilge, safety and fire suppression systems; AC/DC electrical system w/genset supporting equipment; Electronics and navigation system; Turn key, self-turning autonomous control package; Manual control helm station (2 seats)

Optional Equipment Available: Yes

View PDF: [PDF](#)

Website: [www.mshipco.com/mistralmagneto.html](http://www.mshipco.com/mistralmagneto.html)

Contact: Bill Burns

Email: [info@mshipco.com](mailto:info@mshipco.com)

URL to Distributors/Dealers/Agents: n/a

Mfr Notes *Magneto is a variant of the Mistral for mine countermeasures. The Specs above are when fully loaded.*

## MSHIPCO, LLC



### Mistral USV

Size (m): Length: 14.6

Beam: 6.1

Height: 3.81 (No Mast)

Weight (kg): 14,600

Draft (m): 0.65

Max Speed (knots): 30+

Endurance (hrs): 45

Range (km): 1,667 (@10 m/s)

Primary Propulsion: Caterpillar C9

Powered by: Diesel, Other: Hamilton Waterjects with ZF280 gearbox

Navigation Aids: Sensintel's Piccolo-based system

Maximum Payload (kg): 4,082

Standard Equipment: Engine instrument and control package; Hydraulic steering system; Diesel fuel tankage and monitoring system; Bilge, safety and fire suppression systems; AC/DC electrical system w/genset supporting equipment; Electronics and navigation system; Turn key, self-turning autonomous control package; Manual control helm station (2 seats)

Optional Equipment Available: Yes

View PDF: [PDF](#)

Website: [www.mshipco.com/mistralmagneto.html](http://www.mshipco.com/mistralmagneto.html)

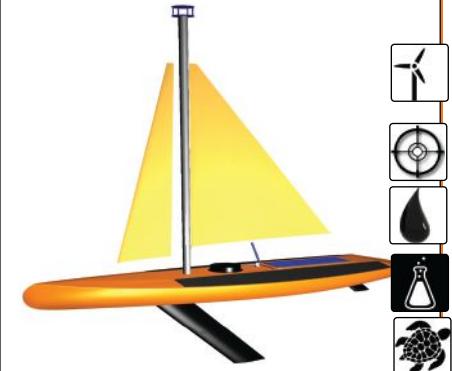
Contact: Bill Burns

Email: [info@mshipco.com](mailto:info@mshipco.com)

URL to Distributors/Dealers/Agents: n/a

Mfr Notes *The specs provided above are when the vessel is fully loaded.*

## Navocean Inc.



### Nav2

Size (m): Length: 2

Beam: 0.5

Height: 2.0

Weight (kg): 38

Draft (m): 0.75

Max Speed (knots): 4

Endurance (hrs): 750+

Range (km): 2000+

Primary Propulsion: sails

Powered by: Solar, Wind

Navigation Aids: GPS, autonomous

Maximum Payload (kg): 12

Standard Equipment: GPS, Pitch/roll/heading, Airmar wind spd and dir, air temp, pressure, AIS, targets, sea temp and conductivity

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF: [PDF](#)

Website: [www.navocean.com](http://www.navocean.com)

Contact: Stuart Lochner

Email: [stuart@navocean.com](mailto:stuart@navocean.com)

URL to Distributors/Dealers/Agents: [www.navocean.com/technology](http://www.navocean.com/technology)

Mfr Notes *Economical wind and solar (by electric thruster) powered mono-hull vehicle. Easily carried, transported and launched by two persons. Capable of medium to long range and duration missions.*

# USVs

## Navocean Inc.



**Nav3**

Size (m): Length: 3.2

Beam: 0.8

Height: 4.0

Weight (kg): 190

Draft (m): 1.2

Max Speed (knots): 5

Endurance (hrs): 750+

Range (km): 2000+

Primary Propulsion: sails

Powered by: Solar, Wind

Navigation Aids: GPS, autonomous

Maximum Payload (kg): 40

Standard Equipment: GPS, Pitch/roll/heading,

Airmar wind spd and dir, air temp, pressure, AIS, targets, sea temp and conductivity

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.navocean.com

Contact: Stuart Lochner

Email: stuart@navocean.com

URL to Distributors/Dealers/Agents: www.navocean.com/technology

Mfr Notes Economical wind and solar (by electric thruster) powered mono-hull vehicle. Easily carried, transported and launched by two persons. Capable of medium to long range and duration missions.

## Ocean Aero, Inc.



**Submaran S10**

Size (m): Length: 4.14

Beam: 1

Height: 2.45, wing up

Weight (kg): 123

Draft (m): 1.2

Max Speed (knots): 6

Endurance (hrs): 3000

Range (km): 5000 - 10000

Primary Propulsion: wind and solar

Powered by: Solar, Wind

Navigation Aids: GPS, IMU

Maximum Payload (kg): 23

Standard Equipment: GPS, IMU, Anemometer,

air temp, water temp, speed over water, speed over ground, aux. thruster, retractable wing for submerging to 10 meters, Command and Control console

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.oceanaero.us

Contact: Ken Childress

Email: kenc@oceanaero.us

URL to Distributors/Dealers/Agents:

Mfr Notes The combined surface and sub-surface capability of the Submaran S10 represents a new level of ocean autonomy and survivability. The S10's ability to submerge allows it to avoid surface weather and perform sub-surface data collection.

## Offshore Sensing AS



**The Sailbuoy**

Size (m): Length: 2

Beam: 0.5

Height: 0.7

Weight (kg): 55

Draft (m): 0.5

Max Speed (knots): 3

Endurance (hrs): 6-12 months

Range (km): 5000+

Primary Propulsion: Wind

Powered by: Solar, Wind

Navigation Aids: GPS

Maximum Payload (kg): 15

Standard Equipment: GPS, Communication,

Cloudbased Navigation and control system

Optional Equipment Available:

View PDF:

Website: sailbuoy.no

Contact: David Peddie

Email: info@sailbuoy.no

URL to Distributors/Dealers/Agents:

www.sailbuoy.no/sales-menu

Mfr Notes The Sailbuoy is a fieldproven, user friendly, long endurance ocean USV capable of persistant monitoring in all weather conditions.

## SeaRobotics Corporation



## SeaRobotics Corporation



## SeaRobotics Corporation



### 11-meter Long Endurance HYBRID

Size (m): Length: 11

Beam: 5.2; 2.1 collapsed

Height:

Weight (kg): 1,950 dry; 3,185 with 380 gallons of fuel

Draft (m): 0.4

Max Speed (knots): 9.0

Endurance (hrs): 60 days @ 2.6 m/s

Range (km): 12000 @ 5 knots

Primary Propulsion: Diesel-electric hybrid prop

Powered by: Diesel, Electric

Navigation Aids: Typical navigation sensors and aids

Maximum Payload (kg): 1800

Standard Equipment: GPS, Depth, Attitude, Health sensors. Lithium Batteries, high bandwidth communications

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.searobotics.com](http://www.searobotics.com)

Contact: Don Darling

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes *Designed for large payload, long duration mission capability with high sea state functionality.*

Size (m): Length: 9

Beam: 3

Height:

Weight (kg): 3000

Draft (m): 0.6

Max Speed (knots): 50

Endurance (hrs): 24

Range (km): 800

Primary Propulsion: 300 HP vectored outboard

Powered by: Diesel, Electric, Gas

Navigation Aids: Typical navigation sensors and aids

Maximum Payload (kg): 1000

Standard Equipment: Manned/Unmanned helm and throttle/shift set, with joy stick. All required navigation and communication systems and base station console

Optional Equipment Available: Yes

View PDF: [View PDF](#)

Website: [www.searobotics.com](http://www.searobotics.com)

Contact: Don Darling

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes *We offer a range of target, test, and security USVs for various high speed test and evaluation projects*

Size (m): Length: 2.5

Beam: 1.25

Height:

Weight (kg): 65

Draft (m): 0.13

Max Speed (knots): 0-9

Endurance (hrs): 4-20 depending on mission

Range (km): 60

Primary Propulsion: Electric

Powered by: Electric

Navigation Aids: Typical navigation sensors and aids

Maximum Payload (kg): 50

Standard Equipment: GPS, Depth, Attitude, Health sensors. Lithium Batteries, high bandwidth communications

Optional Equipment Available: Yes

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Website: [www.searobotics.com](http://www.searobotics.com)

Contact: Don Darling

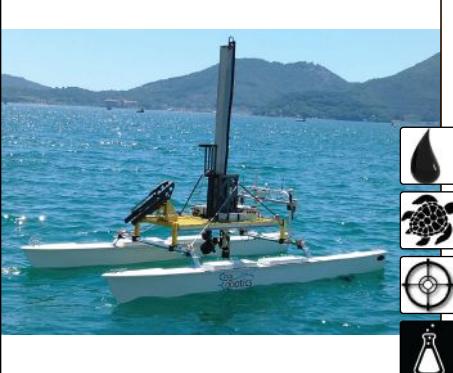
Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes *Man-portable, shallow water system*

# USVs

## SeaRobotics Corporation



**USV-5.7 meter General Purpose Catamaran**

Size (m): Length: **5.7**

Beam: **2.9; 2.1 collapsed**

Height:

Weight (kg): **356**

Draft (m): **0.4**

Max Speed (knots): **9.7+**

Endurance (hrs): **8+ with 5400 w-hr battery**

Range (km): **360 w/10kw-hr battery**

Primary Propulsion: **electric or hybrid prop**

Powered by: **Diesel, Electric, Gas**

Navigation Aids: **Typical navigation sensors and aids**

Maximum Payload (kg): **350**

Standard Equipment: **GPS, Depth, Attitude, Health sensors, Lithium Batteries, high bandwidth communications.**

Optional Equipment Available: **Yes**

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Website: [www.searobotics.com](http://www.searobotics.com)

Contact: **Don Darling**

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Workhorse USV with extensive payload capacity, surface motion mitigation, and efficiency.

## SeaRobotics Corporation



**USV-2600 General Purpose Catamaran**

Size (m): Length: **4.0**

Beam: **2.0**

Height:

Weight (kg): **150 without battery**

Draft (m): **0.40**

Max Speed (knots): **0-9**

Endurance (hrs): **4-40; dependent on battery selection and speed**

Range (km): **160**

Primary Propulsion: **Electric**

Powered by: **Electric, Gas**

Navigation Aids: **Typical navigation sensors and aids**

Maximum Payload (kg): **100**

Standard Equipment: **GPS, Depth, Attitude, Health sensors, Lithium Batteries, high bandwidth communications**

Optional Equipment Available: **Yes**

[View PDF:](#)

Website: [www.searobotics.com](http://www.searobotics.com)

Contact: **Don Darling**

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Wave piercing shallow water survey system. General purpose USV

## SeaRobotics Corporation



**VersaCat 3.6 meter**

Size (m): Length: **3.6; collapsible for road transport or shipping**

Beam: **5.2; collapsible for road transport**

Height:

Weight (kg): **118**

Draft (m): **0.30**

Max Speed (knots): **0-7 dependent on payload, propulsion, sea state, etc.**

Endurance (hrs): **4-20 depending on mission**

Range (km): **120**

Primary Propulsion: **Electric**

Powered by: **Electric**

Navigation Aids: **Typical navigation sensors and aids**

Maximum Payload (kg): **60**

Standard Equipment: **GPS, Depth, Attitude, Health sensors, Lithium Batteries, high bandwidth communications**

Optional Equipment Available: **Yes**

[View PDF:](#)

Website: [www.searobotics.com](http://www.searobotics.com)

Contact: **Don Darling**

Email: [ddarling@searobotics.com](mailto:ddarling@searobotics.com)

URL to Distributors/Dealers/Agents:

Mfr Notes Collapsible unit ships in a crate. Proven in Arctic conditions.

## Subsea Tech



**Catarob-ATS-03**

Size (m): Length: 1.8

Beam: 1.06

Height: 1.2

Weight (kg): 50

Draft (m): 0.1

Max Speed (knots): 4

Endurance (hrs): 4

Range (km): 1

Primary Propulsion: 2 outboard electrical motors

(2x8kg / 12Vdc@2x120W

Powered by: Electric

Navigation Aids: HD color cameras, compass,

DGPS, Auto navigation mode

Maximum Payload (kg): 15

Standard Equipment: Operator interface : portable PC + joystick box + auto navigation mode , Communication : Wifi 5GHz, range > 1km; radio link 2.4GHz, Navigation sensors : HD color camera, compass, DGPS (RTK optional), Onboard electronics : PC104 + 5V/12V/24V power, in IP67 case

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.subsea-tech.com

Contact: Grégory MAURIN

Email: gregory.maurin@subsea-tech.com

URL to Distributors/Dealers/Agents:

Mftr Notes Catarob-ATS-03 is an Unmanned Surface Vehicle, Catamaran type, with tele-operated and/or autonomous modes. Ultraportable (50kg), it is the ideal platform for all kinds of investigations in shallow waters, above and below the surface.

## Subsea Tech



**CAT-Surveyor**

Size (m): Length: 3

Beam: 1.6

Height: 1.6

Weight (kg): 270

Draft (m): 0.4

Max Speed (knots): 5

Endurance (hrs): 12

Range (km): 5

Primary Propulsion: 2 outboard electrical motors

(2x400W, 2x2 pales)

Powered by: Electric

Navigation Aids: HD color cameras, compass,

DGPS (RTK optional)

Maximum Payload (kg): 80

Standard Equipment: Operator interface : portable

PC+joystick box + auto navigation mode,Wifi5GHz,

range >5km; radio link 2.4GHz Navigation sensors

: HD color camera, compass, DGPS (RTK optional),

Onboard electronics : PC104 + 5V/12V/24V power, in IP65 case

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.subsea-tech.com

Contact: Grégory MAURIN

Email: gregory.maurin@subsea-tech.com

URL to Distributors/Dealers/Agents:

Mftr Notes TheCAT-Surveyor is a catamaran type unmanned surface drone, tele-operated and/or autonomous for hydrographic data acquisition or surveillance of underwater zones in harbor and coastal areas.

## Teledyne Oceanscience



**Z-Boat 1800**

Size (m): Length: 1.8

Beam: 0.9

Height: 0.5

Weight (kg): 30

Draft (m): 0.2

Max Speed (knots): 10

Endurance (hrs): 4

Range (km): 20

Primary Propulsion: 24V DC Outdrives

Powered by: Electric

Navigation Aids:

Maximum Payload (kg): 30

Standard Equipment: Echosounder, Side Scan

Sonar, Multibeam, Video Camera, Autonomy

Module, GNSS, Radio Telemetry

Optional Equipment Available: Yes

Vehicle can be buyer customized: Yes

View PDF:

Website: www.oceanscience.com

Contact: Shannon Searing

Email: shannon.searing@teledyne.com

URL to Distributors/Dealers/Agents: http://www.

oceanscience.com/Products/Z-Boat/Home.aspx

Mftr Notes The Z-Boat is a shallow water hydrographic surveying system providing bathymetry or underwater imaging where conventional methods are not practical or safe. The Z-Boat may be operated in manual or fully autonomous navigation mode.





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*everythingremotelypossible@f-e-t.com*

# *Unmanned Vehicle*

# *Manufacturers*

## *A-Z*

# UV Manufacturing Companies A-Z

## AC-CESS Co UK, Ltd.

### ROVs (Light)

Tyrebagger Works, Clinterty, Kinellar, Aberdeen AB21 0TT UK  
Contact: John Morrison  
Phone: +44 1224 790100  
Fax: + 44 1224 790111  
john.m@ac-cess.com  
www.ac-cess.com

## ALSEAMAR

### Gliders

9 Europarc Sainte-Victoire  
13590 Meyreuil, FRANCE  
Contact: Romain TRICARICO  
Phone: +33 (0)4 42 61 64 80  
RTRICARICO@alseamar-alcen.com  
www.alseamar-alcen.com

## Al Seer Marine Supplies & Equipment LLC

### USVs

P.O.Box 33639, Mussafah  
Mussafah, Abu Dhabi, UAE  
Contact: Russell Bartlett  
Phone: +971 2 551 1336  
Fax: +971 2 551 1556  
operations@alseermarine.ae  
www.alseermarine.ae/  
www.5gmarine.com

## Aquabotix

### AUVs, ROVs (Light)

21 Father DeValles Blvd.,  
Unit 8/Suite 106  
Fall River, MA 02723 USA  
Contact: Dawn Doraz  
Phone: +1 508 676 1000  
Fax: +1 888 414-7363  
dawn@aquabotix.com  
www.aquabotix.com

## Argus Remote Systems AS

### ROVs (Mini, Light, Medium, Heavy, Observation/Inspection)

Nygaardsviken 1  
5165 Laksevaag, NORWAY  
Contact: Jan Bryn  
Phone: +47 5611 30 50  
Fax: +47 56 11 30 60  
jan@argus-rs.no  
www.argus-rs.no

## ASV Global UK

### USVs

Unit 12 Murrills Estate,  
Southampton Road  
Portchester, Hampshire PO16 9RD UK  
Contact: Vince Dobbin  
Phone: +44 (0) 23 9238 2573  
sales@asvglobal.com  
www.asvglobal.com

## ASV Global USA

### USVs

Broussard, LA  
Contact: Larry Karl  
Phone: (337) 422-4411  
larry.karl@asvglobal.com  
www.asvglobal.com

## Atlas Elektronik UK Ltd

### AUVs

ATLAS House,  
Dorset Green Technology Park,  
Dorchester, Dorset DT2 8ZB UK  
Phone: +44 (0)1305 212400  
www.uk.atlas-elektronik.com

## Atlas Elektronik GmbH

### AUVs

Seebaldsbruecker Heerstrasse 235  
28309 Bremen, GERMANY  
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Phone: +49 421 457 5060  
Fax: +49 421 457 4080  
tommy.kaltofen@atlas-elektronik.com  
www.atlas-elektronik.com

## Autonomous Marine Systems

### USVs

28 Dane Street  
Somerville, MA 02143, USA  
Contact: Scott Nguyen  
Phone: +1 703 348 4778  
info@automarinesys.com  
www.automarinesys.com

## Battelle - Maritime

### Technologies

### AUVs

505 King Avenue  
Columbus, Ohio 43201, USA  
Contact: Bob Geoghegan  
Phone: +1 614 424 7963  
Fax: +1 614 458 7963  
geoghegr@battelle.org  
www.battelle.org/our-work/national-security/maritime-technologies

## Bellamare, LLC

### Towed Vehicles

7420 Carroll Rd  
San Diego, CA 92121, USA  
Contact: Charles Cousin  
Phone: +1 858 578 8108  
info@bellamare-us.com  
www.bellamare-us.com

## Blue Robotics

### ROVs (Light)

4030 Spencer Street  
Suite 102  
Torrance, CA 90503 USA  
Contact: Rusty Jehangir  
info@bluerobotics  
www.bluerobotics.com

## Boston Engineering

### Towed Vehicles

151 Martine Street  
Fall River, MA 02723, USA  
Contact: Roger Race  
Phone: +1 339 222 7148  
rrace@boston-engineering.com  
www.boston-engineering.com

## Chelsea Technologies

### Group Ltd

### Towed Vehicles

West Molesey,  
Surrey, KT8 2QZ, UK  
Phone: +44 20 8481 9000  
Fax +44 20 8941 9319  
sales@chelsea.co.uk  
www.chelsea.co.uk

## CISCREA

### ROVs (Light)

901 Av. Alphonse Lavalle - ZI Toulon  
Est; BP 165  
Toulon / PACA, 83088 FRANCE  
Phone: +33 4 94 65 23 59  
sales@ciscrea.fr  
www.ciscrea.net

# UV Manufacturing Companies A-Z

## Clearpath Robotics

### USVs

1425 Strasburg Rd, Suite 2A,  
Kitchener, ON, N2R 1H2, CANADA  
Contact: Chris Bogdon  
Phone: +1 519 513 2416  
cbogdon@clearpathrobotics.com  
[www.clearpathrobotics.com](http://www.clearpathrobotics.com)

## Crystal Cam Imaging

### ROVs (Observation/Inspection), USVs

2231G McGarrigle Road,  
Nanaimo, BC, V9S 4M5 CANADA  
Contact: Ivo Beitsma  
Phone: +1 250 244 1838  
ibeitsma@crystal-cam.com  
[www.crystalcam.ca](http://www.crystalcam.ca)

## Deep Ocean Engineering, Inc.

### ROVs (Observation/Inspection), USVs

2403 Qume Drive  
San Jose, CA 95131 USA  
Contact: Cherry Li  
Phone: +1 408 436 1102  
Fax: +1 408 436 1108  
[cherryli@deepocean.com](mailto:cherryli@deepocean.com)  
[www.deepocean.com](http://www.deepocean.com)

## Deep Trekker

### Crawlers, ROVs (Light)

40 Melair Drive  
Ayr, ON, N0B 1E0, CANADA  
Contact: Deep Trekker Sales  
Phone: +1 519 342 3177  
[sales@deeptrekker.com](mailto:sales@deeptrekker.com)  
[www.deeptrekker.com](http://www.deeptrekker.com)

## DOER Marine Operations

### ROVs (Light, Medium)

1827 Clement Ave  
Alameda, CA 94501, USA  
Contact: Liz Taylor  
Phone: +1 510 530 9388  
Fax: +1 510 749 8377  
[liz@doermarine.com](mailto:liz@doermarine.com)  
[www.doermarine.com](http://www.doermarine.com)

## DWTEK Co., Ltd.

### ROVs (Light)

No.22, Dong Ying Road, East District  
Taichung City 401, Taiwan, R.O.C  
Phone: +886 4 3502 4890  
Fax: +886 4 2211 2890  
[info@dwtek.com.tw](mailto:info@dwtek.com.tw)  
[dwtekmarine.com](http://dwtekmarine.com)

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# UV Manufacturing Companies A-Z

## ECA Group

**AUVs, ROVs (Light, Medium, Heavy), USVs**

262, rue des frères Lumière,  
Z.I. Toulon Est BP 242  
83078 Toulon Cedex, FRANCE  
Contact: Valentin Hanns  
Phone: +33 4 94 08 90 00  
Fax: +33 4 94 08 90 70  
eca-rsm@ecagroup.com  
www.ecagroup.com

## Edgelab Srl

**AUVs**

Via Privata OTO, 10  
La Spezia, 19136, ITALY  
Contact: Lavinio Gualdesi  
Phone: +3 901871822943  
lavinio.gualdesi@edgelab.eu  
www.edgelab.eu

## EdgeTech

**Towed Vehicles**

4 Little Brook Rd.  
West Wareham, MA 02576 USA  
Contact: EdgeTech  
Phone: +1 508 291 0057  
info@edgetech.com  
www.edgetech.com

**Towed Vehicles**

Niels Bohrs Vej 17  
8660 Skanderborg, DENMARK  
Contact: EIVA Sales Department  
Phone: +45 8628 2011  
Fax: +45 8628 2111  
inquiry@eiva.com  
www.eiva.com

## emma Technologies GmbH

**USVs**

Ringstrasse 54  
Kiel, 24149, GERMANY  
Contact: Maarit Loide  
Phone: +49 431 260 937-29  
ask-emma@emma-technologies.com  
www.emma-technologies.com

## ENITECH GmbH

**ROVs (Light)**

Hansestr. 21  
Bentwisch, D-18182, GERMANY  
Contact: Carl Thiede  
Phone: +49 381 6302 110  
Fax: +49 381 6302 111  
mail@enitech.de  
www.enitech.de

## EPRONS ROV Ltd.

**ROVs (Observation/Inspection)**

11 Audupes Street  
Riga, LV 1030, LATVIA  
Contact: A. Cernavskis  
Phone: +371 264 675 75  
info@eprons.eu  
www.eprons.eu

## EvoLogics GmbH

**USVs**

Ackerstr. 76  
Berlin, 13355, GERMANY  
Contact: Francisco Bustamante  
Phone: +49 30 4679 862-0  
Fax: +49 30 4679 862-01  
sales@evologics.de  
evologics.de

## Exocetus Autonomous System

**Gliders**

7 Laser Lane  
Wallingford, CT 06492, USA  
Contact: Joe Turner  
Phone: +1 860 512 7260  
jturner@exocetussystems.com  
www.exocetussystems.com

## FMC Technologies Schilling Robotics

**ROVs (Heavy)**

260 Cousteau Place  
Davis, CA 95618, USA  
Contact: Meagan Anderson  
Phone: +1 530 747 2700  
meagan.anderson@fmcti.com  
www.fmctechnologies.com/  
SchillingRobotics

## Forum Energy Technologies (UK), Ltd.

**ROVs (Light, Medium, Heavy, Trenching)**

Cumberland House,  
Arnhall Business Park,  
Westhill, Aberdeenshire  
AB32 6UF, UK  
Contact: Sales  
Phone: +44 1224 744000  
subsea.sales@f-e-t.com  
www.f-e-t.com

## Graal Tech, Srl

**AUVs**

Via Jacopo Ruffini 9R  
Genoa, 16128, ITALY  
Contact: Andrea Caffaz  
Phone: +39 010 8597680  
Fax: +39 010 8597684  
andrea.caffaz@graaltech.it  
www.graaltech.it

## General Dynamics Mission Systems

**AUVs**

553 South Street  
Quincy, MA 02169 USA  
Contact: Adam Mara  
Phone: +1 617 715 7000  
Fax: +1 617 498 0067  
Adam.Mara@gd-ms.com  
www.gdmissionsystems.com  
www.bluefinrobotics.com

## Hydroid, Inc.

**AUVs**

6 Benjamin Nye Circle  
Pocasset, MA 02559, USA  
Contact: Alex Kern  
Phone: +1 508 563 6565  
Fax: +1 508 563 3445  
sales@hydroid.com  
www.hydroid.com

## Hydromea SA

**AUVs**

EPFL Innovation Park  
Batiment C  
Lausanne, VD, 1015, SWITZERLAND  
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www.hydromea.com

## Independent Robotics

**AUVs**

Montreal, QC, CANADA  
Phone: +1 646 789 4022  
info@independenterobotics.com  
www.independenterobotics.com

## Inuktun Services, Ltd.

**ROVs (Light)**

2569 Kenworth Road, Suite C  
Nanaimo, BC V9T 3M4, CANADA  
Contact: Jeff Christopherson  
Phone: +1 877 468 5886  
Fax: +250 729 8077  
sales@inuktun.com  
www.inuktun.com

# UV Manufacturing Companies A-Z

## ISE

### AUVs, ROVs (Light, Heavy)

1734 Broadway Street  
Port Coquitlam, BC V3C 2M8, CANADA  
Contact: Linda Mackay  
Phone: +1 604 942 5223  
Fax: +1 604 942 7577  
linda.mackay@ise.bc.ca  
www.ise.bc.ca

## Juice Robotics LLC

### USVs

50 Libera Street, Unit D  
Cranston, RI 02920, USA  
Contact: Matt Jewell  
Phone: +1 401 487 0258  
matt@juicerobotics.com  
www.juicerobotics.com

## JW Fishers Mfg., Inc.

### ROVs (Light), Towed Vehicles

1953 County Street  
East Taunton, MA 02718, USA  
Contact: Christopher Combs  
Phone: +1 508 822 7330  
Fax: +1 508 880 8949  
chrisc@jwfishers.com  
www.jwfishers.com

## Kongsberg Maritime - Subsea

### AUVs, Gliders

Strandpromenaden 50  
3189 Horten, NORWAY  
Contact: Katharina Nygaard  
Phone: +47 33034100  
subsea@kongsberg.com  
www.km.kongsberg.com

## Kraken Sonar Systems Inc

### Towed Vehicles

113 Terminal Road  
Conception Bay South  
NL, A1X 7B5, CANADA  
Contact: Glenda Leyte  
Phone: +1 709 757 5757  
info@krakensonar.com  
www.krakensonar.com

## KYSTDESIGN AS

### ROVs (Medium, Heavy)

Strandgaten 202  
5525 Haugesund, NORWAY  
Contact: Erik Kold Bakkevig  
Phone: +47 52706250  
post@kystdesign.no  
www.kystdesign.no

## L-3 CALZONI

### USVs

via A. De Gasperi 7  
Calderara di Reno (BO) 40012, ITALY  
Contact: Marcello Zannini  
Phone: +39 051 41377  
Fax: +39 051 4137555  
Marcello.Zannini@L-3com.com  
www.calzoni.com

## Liquid Robotics, Inc.

### Gliders

1329 Moffett Park Drive  
Sunnyvale, CA 94089, USA  
Contact: Joanne Masters  
Phone: +1 408 636 4200  
info@liquid-robotics.com  
www.liquid-robotics.com

## Lockheed Martin

### AUVs

10375 Richmond Avenue, Suite 400  
Houston, TX 77042, USA  
Contact: Brandon Broom  
Phone: +1 713 243 5750  
brandon.broom@lmco.com  
www.lockheedmartin.com/marlin

## MacArtney

### Towed Vehicles

G1, Guldagervej 48  
Esbjerg V/ 6710/ DENMARK  
Contact: Hans-Jørgen Hansen  
Phone: +45 7613 2000  
info@macartney.com  
www.macartney.com

## Marine Advanced Research, Inc.

### USVs

UC Berkeley Global Campus 1301 S.  
46th St. Bldg. 300A  
Richmond, CA 94804, USA  
Phone: +1 510 232 1685  
sales@wam-v.com  
www.wam-v.com

## Marine Tech SAS

### USVs

64 rue de La Garde, ZAC La Millonne  
83140 Six Fours les Plages, FRANCE  
Contact: Magali Mouries  
Phone: +33 9 54 82 10 52  
Fax: +33 9 59 82 10 52  
contact@marinetech.fr  
http://en..marinetech.fr/Marine-survey-USV#a380

**Ocean Engineering**

**subCtech**  
Subsea Technologies

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- IPC class 3 production
- Customizing and personal support

ISO 9001

SubCtech GmbH

info@subctech.com  
www.gosubsea.com  
www.subctech.com

# UV Manufacturing Companies A-Z

## Mariner Underwater Electronics

**ROVs** (Light, Medium, Observation/Insp.)  
20-22 Pillis  
Piraeus, Attica, 185 37, GREECE  
Contact: Marinos Pittas  
Phone: +30 2104100656  
Fax: +30 2104100658  
marhge@otenet.gr  
[www.mariner.gr](http://www.mariner.gr)

## Maritime Robotics

**USVs**  
Brattorkaia 11  
7014 Trondheim NORWAY  
Phone: +47 73401900  
[www.maritimerobotics.com](http://www.maritimerobotics.com)

## MOST (Autonomous Vessels), Ltd.

**USVs**  
Unit A5 The Boatyard, Chichester Marina,  
Chichester, West Sussex, PO20 7EJ, UK  
Contact: Mike Poole  
Phone: +44 01234 511421  
Mikep@most-av.com  
[www.autonautusv.com](http://www.autonautusv.com)

## MSHIPCO, LLC

**USVs**  
401 West A Street, Suite 2125  
San Diego, CA 92101, USA  
Contact: Bill Burns  
Phone: +1 619 232 8937  
Fax: +1 619 232 8759  
[info@mshipco.com](mailto:info@mshipco.com)  
[www.mshipco.com](http://www.mshipco.com)

## Navocean Inc.

**USVs**  
3948 SW Southern St.  
Seattle, WA 98136, USA  
Contact: Stuart Lochner  
Phone: +1 206 849 9005  
[stuart@navocean.com](mailto:stuart@navocean.com)  
[www.navocean.com](http://www.navocean.com)

## Ocean Aero, Inc.

**AUVs, USVs**  
10755 Scripps Poway Pkwy, Suite 367  
San Diego, CA 92131, USA  
Contact: Ken Childress  
Phone: +1 858 223 0142  
[kenc@oceanaero.us](mailto:kenc@oceanaero.us)  
[www.oceanaero.us](http://www.oceanaero.us)

## Oceaneering International, Inc.

**OV (Heavy)**  
11911 FM 529  
Houston, TX 77041, USA  
Phone: +1 713 329 4500  
Fax: +1 713 329 4951  
[info@oceaneering.com](mailto:info@oceaneering.com)  
[www.oceaneering.com](http://www.oceaneering.com)

## OCEANSCAN-MST LDA

**AUVs**  
Av. Liberdade, Polo Mar UPTEC  
4450-718 Matosinhos, PORTUGAL  
Phone: +351 220301576  
[info@oceanscan-mst.com](mailto:info@oceanscan-mst.com)  
[www.oceanscan-mst.com](http://www.oceanscan-mst.com)

## OceanServer Technology, Inc.

**AUVs**  
151 Martine Street  
Fall River, MA 02052, USA  
Contact: Jim Kirk  
Phone: +1 508 678 0550  
Fax: +1 508 678 0552  
[kirk@ocean-server.com](mailto:kirk@ocean-server.com)  
[www.ocean-server.com](http://www.ocean-server.com)

## Offshore Sensing AS

**USVs**  
Fantoftvegen 38  
Bergen, 5072, NORWAY  
Contact: David Peddie  
Phone: +47 91652190  
[info@sailbuoy.no](mailto:info@sailbuoy.no)  
[offshoresensing.com](http://offshoresensing.com)

## OSBIT Power, Ltd.

**ROVs (Trenching)**  
Broomhaugh House,  
Riding Mill,  
Northumberland, NE44 6EG, UK  
Contact: Ben Webster / Brendon Hayward  
Phone: +44 1434 682 505  
[team@osbitpower.com](mailto:team@osbitpower.com)  
[www.osbitpower.com](http://www.osbitpower.com)

## Outland Technology

**ROVs (Light, Observation/Inspection)**  
38190 Commercial Court  
Slidell, LA 70458, USA  
Contact: Jeffrey Mayfield  
Phone: +1 985 847 1104  
Fax: +1 985 847 1106  
[jeff@outlandtech.com](mailto:jeff@outlandtech.com)  
[www.outlandtech.com](http://www.outlandtech.com)

## QinetiQ North America

**AUVs, ROVs (Light, Medium)**  
350 Second Avenue  
Waltham, MA 02451, USA  
Contact: Julie Collura  
Phone: +1 781 684 4000  
Fax: +1 781 684 4038  
[julie.collura@qinetiq-na.com](mailto:julie.collura@qinetiq-na.com)  
[www.qinetiq-na.com](http://www.qinetiq-na.com)

## Riptide Autonomous Solutions

**AUVs**  
36 Farmside Drive  
Pembroke, MA 02359, USA  
Contact: Bill Key  
Phone: +1 857 930-4343  
[bill@riptideAS.com](mailto:bill@riptideAS.com)  
[www.RiptideAS.com](http://www.RiptideAS.com)

## Rovotics

**ROVs (Light)**  
SAIF ZONE, PO Box: 123427  
Sharjah, UAE  
Contact: Tamer El Essawy  
Phone: +971(0)65579539  
[enquiries@rovotics.ae](mailto:enquiries@rovotics.ae)  
[www.rovotics.ae](http://www.rovotics.ae)

## Rovtech Solutions, Ltd.

**ROVs (Light, Medium)**  
Unit 16, Andrews Court, Andrews Way  
Barrow In Furness  
Cumbria, LA14 2UE, UK  
Contact: Stephan Phelps  
Phone: +44 (0)1229 822121  
Fax: +44 (0)1229 870208  
[info@rovtechsolutions.co.uk](mailto:info@rovtechsolutions.co.uk)  
[www.rovtechsolutions.co.uk](http://www.rovtechsolutions.co.uk)

## Saab Seaeye, Ltd.

**AUVs, ROVs (Light, Medium, Heavy)**  
20 Brunel Way, Segensworth East,  
Fareham, Hampshire PO15 5SD, UK  
Contact: James Douglas  
Phone: +44 01489898000  
Fax: +44 01489898001  
[rovs@seaeye.com](mailto:rovs@seaeye.com)  
[www.seaeye.com](http://www.seaeye.com)

# UV Manufacturing Companies A-Z

## SeaRobotics Corporation

### ROVs, USVs

7721 SW Ellipse Way  
Stuart, FL 34997, USA  
Contact: Don Darling  
Phone: +1 561 627 2676 x301  
Fax: +1 561 627 8174  
ddarling@searobotics.com  
www.searobotics.com

## Seateronics

### ROVs (Light)

Geoscan House, Denmore Road,  
Bridge of Don  
Aberdeen, UK  
Contact: Phil Middleton  
Phone: +44 (0)1224 853100  
Fax: +44 (0)1224 853101  
aberdeen@seatronics-group.com  
www.seatronics-group.com

## SeaView Systems, Inc

### ROVs (Light)

7275 Joy Road, Suite A  
Dexter, MI 48130, USA  
Contact: Matthew Cook  
Phone: +1 734-426-8978  
Fax: +1 734-426-8978  
mcook@seaviewsystems.com  
www.seaviewsystems.com

## Shark Marine Technologies, Inc.

### ROVs (Light)

Unit 4 23 Nihan Drive  
St. Catharines, Ontario L2N 1L2, CANADA  
Phone: +1 905 687 6672  
sales@sharkmarine.com  
www.sharkmarine.com

## Soil Machine Dynamics (SMD)

### ROVs (Light, Medium, Heavy, Trenching), Towed Vehicles

Turbinia Works, Davy Bank,  
Wallsend, Tyne & Wear, UK  
Contact: Graeme Jaques  
Phone: +44 0191 234 2222  
Fax: +44 0191 234 0444  
graeme.jaques@smd.co.uk  
www.smd.co.uk

## Sound Ocean Systems, Inc.

### Towed Vehicles

17455 NE 67th Court, Suite 120  
Redmond, WA 98052, USA  
Contact: Ted Brockett  
Phone: +1 425 869 1834  
ted@soundocean.com  
www.soundocean.com

## Sperre AS

### ROVs (Light, Medium)

Merdeveien 1  
3676 Notodden, NORWAY  
Contact: Wenche Haugerud  
Phone: +47 35025000  
wh@sperre-as.com  
www.sperre-as.com

## Submersible Systems Inc.

### ROVs (Medium, Heavy, Observation/Inspection)

333 Progresso Road  
Patterson, LA 70392, USA  
Contact: Wolfgang Burnside  
Phone: +1 985 395 0999  
Fax: +1 985 395 0995  
wolfgang@ssirovs.com  
www.ssirovs.com

The advertisement features a central image of a white, modular subsea vehicle component housed in a clear protective enclosure. The top left corner displays the CURVETECH logo, and the top right corner shows the SMD logo with the website www.smd.co.uk. Below the main image, the text "SUBSEA COMPONENT SOLUTIONS" is prominently displayed in large, bold, yellow capital letters. Underneath, the tagline "PROVEN TECHNOLOGY SUPPORTING YOUR SUBSEA VEHICLE" is written in smaller white capital letters. At the bottom, there is a detailed diagram of a subsea vehicle's internal components, including thrusters, control electronics, hydraulic valve controls, compensators, and subsea motors and power units. Lines point from the labels to their respective parts in the diagram. The entire advertisement is set against a dark blue background.

For the complete range of subsea Curvetech® components and solutions visit [www.smd.co.uk](http://www.smd.co.uk)

ENGINEERING EXCELLENCE UNDERWATER

# UV Manufacturing Companies A-Z

## Subsea Tech

**ROVs (Inspection/Observation), USVs**

167 Plage de l'Estaque  
Marseilles 13016, FRANCE  
Contact: Gregory Maurin  
Phone: +33 (0)4 91 51 76 71  
Fax: +33 (0)4 91 51 59 60  
st.sales@subsea-tech.com  
www.subsea-tech.com

## Teledyne Benthos

**ROVs (Light)**

49 Edgerton Drive  
North Falmouth, MA 02556, USA  
Contact: Melissa Rossi  
Phone: +1 508 563 1000  
Fax: +1 508 563 6444  
tmsys@teledyne.com  
www.teledyne.com

## Teledyne Gavia

**AUVs**

Vesturvör 29  
200 Kopavogur, ICELAND  
Phone: +354 511 29 90  
Fax: +354 511 29 99  
tmsys@teledyne.com  
www.teledyne.com

## Teledyne Marine Systems

**AUVs, Gliders, ROVs (Light)**

49 Edgerton Drive  
North Falmouth, MA 02556, USA  
Contact: Melissa Rossi  
Phone: +1 508 563 1000  
Fax: +1 508 563 6444  
tmsys@teledyne.com  
www.teledyne.com

## Teledyne Oceanscience

**AUVs**

2245 Camino Vida Roble, Suite 100  
Carlsbad, CA 92011, USA  
Contact: Adrian McDonald  
Phone: +1 760 754 2400  
Fax: +1 760 754 2485  
adrian.mcdonald@teledyne.com  
www.oceanscience.com

## Teledyne SeaBotix

**ROVs (Light)**

2877 Historic Decatur Road, Suite 100  
San Diego, CA 92106, USA  
Contact: Alasdair Murrie  
Phone: +1 619 450 4000  
Fax: +1 619 450 4001  
SeaBotixInfo@Teledyne.com  
www.seabotix.com

## JSC "Tetis Pro"

**ROVs (Light)**

Polyani st., 54  
Moscow, RUSSIA  
Contact: Dmitry Voytov, Dmitry Garbuzov  
Phone: +7 (495) 786 98 55  
Fax: +7 (495) 717 38 21  
rov@tetis-pro.ru  
www.tetis-pro.ru

## The Boeing Company

**AUVs**

5301 Bolsa Ave  
Huntington Beach, CA 92869, USA  
Contact: Mark Kosko  
mark.kosko@boeing.com  
www.boeing.com

## Underwater Robotics Ltd.

**ROVs (Light, Medium)**

36 Nakhimovskiy prospect  
Moscow, 117997, RUSSIA  
Contact: Evgeny Sherstov  
Phone: +7 495 9709389  
Fax: +7 499 1292045  
info@gnom-rov.com  
www.gnomrov.com

## Vehicle Control Technologies, Inc.

**AUVs, Towed Vehicles**

1900 Campus Commons Drive, Suite 300  
Reston, VA 20191, USA  
Contact: Douglas E. Humphreys  
Phone: +1 703 620 0703  
Fax: +1 703 620 1734  
dhumphreys@vctinc.com  
www.vctinc.com

## VideoRay

**ROVs (Light)**

212 East High Street  
Pottstown, PA 19464, USA  
Contact: Erick Estrada  
Phone: +1 610 458 3000  
Fax: +1 610 458 3010  
sales@videoray.com  
www.videoray.com

## WorleyParsons

**AUVs**

L7 250 St Georges Terrace  
Perth, Western Australia, 6000, AUSTRALIA  
Contact: Peter Mellor  
Phone: +61 8 6311 6336  
peter.mellor@worleyparsons.com  
www.worleyparsons.com

## YSI Integrated Systems & Services

**AUVs**

9843 18th Street North, Suite 1200  
St. Petersburg, FL 33716, USA  
Contact: Sales  
Phone: +1 877 392 9950  
Fax: +1 866 778 8431  
systems@ysi.com  
www.ysisystems.com





# *Unmanned Vehicle*

# *Operators*

# A-Z

## Market Symbols



Defence



Seabed  
Mining



Offshore  
Oil & Gas



Science



Ocean  
Renewables



Environmental

# Vehicle Operators by Type

## OPERATORS BY VEHICLE TYPE

### AUVs

ACSM - SPAIN  
ASI Marine - ON, CANADA  
Brone Survey & Positioning - NIGERIA  
C&C Technology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
CLS - FRANCE  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Edgelab Srl - ITALY  
Fugro - TX, USA  
Fugro Survey, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Harvey-Lynch, Inc. - TX, USA  
Hibbard Inshore, LLC - MI, USA  
iRov Underwater Services - ITALY  
Lockheed Martin - Undersea Systems - FL, USA  
Modus Seabed Intervention - UK  
Mt. Mitchell, LLC - WA, USA  
Ocean Floor Geophysics, Inc. - BC, CANADA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Oceaneering International, Inc. - TX, USA  
Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
Swire Seabed AS - NORWAY  
Tecnadyne - CA USA  
Tesla Offshore, LLC - LA, USA  
Tiburon Subsea Services, Inc. - FL, USA  
UTEC Survey - TX, USA

### USVs

ASV Global - UK  
ASI Marine - ON, CANADA  
ASV, Ltd. - UK  
Blue Ocean Monitoring - AUSTRALIA  
CLS - FRANCE  
Fastwave - WA, AUSTRALIA  
GEOTAG Enfenharia LTDA. - BRAZIL  
Marine Advanced Research - CA, USA  
Marine Tech - FRANCE  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Orca Maritime, Inc. - CA, USA  
QSTAR S.L.U. ROV Division - SPAIN  
Subsea Tech - FRANCE  
Swire Seabed AS - NORWAY

### Gliders

Blue Ocean Monitoring - WA, AUSTRALIA  
CLS - FRANCE  
Fastwave - WA, AUSTRALIA  
GEOTAG Enfenharia LTDA. - BRAZIL  
Mt. Mitchell, LLC - WA, USA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
QSTAR S.L.U. ROV Division - SPAIN

### Benthic Landers

Benthic Solutions Ltd. - UK  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN

### Towed Vehicles

Benthic Solutions Ltd. - UK  
Eclipse Group, Inc. - MD, USA  
GeoTech System Corp. - REP OF KOREA  
Ocean Floor Geophysics, Ind - BC, CANADA  
Ocean Tech Services, LLC  
Phoenix International Holdings, Inc.  
QSTAR ROV Training & Subsea Solutions - Spain

### Trenchers

ACSM - SPAIN  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Eclipse Group, Inc - MD, USA  
Energy Subsea, LLC - FL, USA  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
GeoTech System Corp. - REP OF KOREA  
Modus Seabed Intervention - UK  
Silvercrest Submarine - UK

### Crawlers

GeoTech System Corp. - REP OF KOREA

### ROV - Mini

Atlantas Marine Ltd - UK  
Brone Survey & Positioning - NIGERIA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Energy Subsea, LLC - FL, USA  
FIELAX GmbH - GERMANY  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Global Diving & Salvage, Inc. - WA, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
Sandy Air Corp - AUSTRIA  
Silvercrest Submarines - UK  
SISTAC - Sistemas de Acesso S.A. - BRAZIL  
Subsea Tech - FRANCE  
Tecnadyne - CA, USA  
Underwater Robotics, Ltd. - RUSSIA

### ROV - Light

ACSM - SPAIN  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd. - UK  
Bibby Offshore - SCOTLAND  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Eclipse Group, Inc. - MD, USA  
Energy Subsea, LLC - FL, USA  
FIELAX GmbH - GERMANY  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Global Diving & Salvage, Inc. - WA, USA  
Hibbard Inshore, LLC - MI, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Kreuz Subsea Pte. Ltd. - SINGAPORE  
Modus Seabed Intervention - UK  
Ocean Tech Services, LLC - NJ, USA  
Oceaneering International, Inc. - TX, USA

# Vehicle Operators by Type

Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
Sandy Air Corp - AUSTRIA  
SeaTrepid International, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Silvercrest Submarines - UK  
Sperre AS - NORWAY  
Swire Seabed AS - NORWAY  
Tecnadyne - CA, USA  
UNCW-Undersea Vehicles Program - NC, USA  
Underwater Robotics, Ltd. - RUSSIA  
WT Industries, LLC - TX, USA

## **ROV - Medium**

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd. - UK  
Bibby Offshore - SCOTLAND  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Deep Sea Systems Int'l - MA, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Energy Subsea, LLC - FL, USA  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Global Diving & Salavage, Inc. - WA, USA  
Harvey-Lynch, Inc. - TX, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Kreuz Subsea Pte. Ltd. - SINGAPORE  
Mariner Underwater Electronics - GREECE  
Modus Seabed Intervention - UK  
Oceaneering International, Inc. - TX, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
SeaTrepid International, LLC - LA, USA  
Silvercrest Submarines - UK  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Swire Seabed AS - NORWAY  
Tecnadyne - CA, USA  
Tiburon Subsea Services, Inc. - FL, USA  
Underwater Robotics, Ltd. - RUSSIA  
U.S. Underwater Services, LLC - TX, USA

## **ROV - Heavy**

ACSM - SPAIN  
Bibby Offshore - SCOTLAND  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Energy Subsea, LLC - FL, USA  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA

Harvey-Lynch, Inc. - TX, USA  
iRov Underwater Services - ITALY  
i-Tech - TX, USA  
Kreuz Subsea Pte. Ltd. - SINGAPORE  
Modus Seabed Intervention - UK  
Oceaneering International, Inc. - TX, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
SeaTrepid International, LLC - LA, USA  
Sperre AS - NORWAY  
SURF Subsea, Inc. - TX, USA  
Swire Seabed AS - NORWAY  
Tecnadyne - CA, USA  
Tesla Offshore, LLC - LA, USA

## **ROV - Observation / Inspection**

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
Atlantas Marine Ltd - UK  
Eclipse Group, Inc. - MD, USA  
Geotech System Corp - SOUTH KOREA  
Jifmar Offshore Services - FRANCE  
Ocean Tech Services, LLC - NJ, USA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
QSTAR S.L.U. ROV Division - SPAIN  
Silvercrest Submarines - UK  
Subsea Tech - FRANCE  
Swire Seabed AS - NORWAY  
Tecnadyne - CA, USA  
UNCW-Undersea Vehicles Program - NC, USA

## **OPERATORS BY SERVICE TYPE**

### **Survey**

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd - UK  
Australian Oceanographics - AUSTRALIA  
Benthic Solutions Ltd. - UK  
Bibby Offshore - SCOTLAND  
Blue Ocean Monitoring - AUSTRALIA  
Brone Survey & Positioning - NIGERIA  
C&CTechnology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Deep Sea Systems Int'l - MA, USA  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Edgelab Srl - ITALY  
Energy Subsea, LLC - FL, USA  
Fastwave - WA, AUSTRALIA  
FIELAX GmbH - GERMANY  
Fugro - TX, USA  
Fugro Survey, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Global Diving & Salavage, Inc. - WA, USA  
Global Seas - WA, USA  
Harvey-Lynch, Inc. - TX, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Kreuz Subsea Pte. Ltd. - SINGAPORE

# Vehicle Operators by Type

Lockheed Martin - Undersea Systems - FL, USA  
Marine Advanced Research (WAM-V) - CA, USA  
Marine Tech - FRANCE  
Mariner Underwater Electronics - GREECE  
Modus Seabed Intervention - UK  
Mt. Mitchell, LLC - WA, USA  
Ocean Floor Geophysics, Inc. - BC, CANADA  
Ocean Tech Services, LLC - NJ, USA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
Sandy Air Corp - AUSTRIA  
SeaTrepid Insterntional, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Silvercrest Submarines - UK  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Subsea Tech - FRANCE  
SURF Subsea, Inc. - TX, USA  
Swire Seabed AS - NORWAY  
Technocean Subsea - NORWAY  
Tesla Offshore, LLC - LA, USA  
Tiburon Subsea Services, Inc. - FL, USA  
UNCW-Undersea Vehicles Program - NC, USA  
Underwater Robotics, Ltd. - RUSSIA  
UTEC Survey - TX, USA  
WT Industries, LLC - TX, USA

## Inspection

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd - UK  
Bibby Offshore - SCOTLAND  
C&C Technology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Edgelab Srl - ITALY  
Energy Subsea, LLC - FL, USA  
FIELAX GmbH - GERMANY  
Fugro - TX, USA  
Fugro Subsea Services, Ltd. - UK  
Fugro Survey, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Geotech System Corp - SOUTH KOREA  
Global Diving & Salvage, Inc. - WA, USA  
Global Seas - WA, USA  
Harvey-Lynch, Inc. - TX, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Kreuz Subsea Pte. Ltd. - SINGAPORE  
Lockheed Martin - Undersea Systems - FL, USA  
Marine Advanced Research (WAM-V) - CA, USA  
Marine Tech - FRANCE  
Mariner Underwater Electronics - GREECE  
Modus Seabed Intervention - UK  
Mt. Mitchell, LLC - WA, USA  
Ocean Tech Services, LLC - NJ, USA  
Oceaneering International, Inc. - TX, USA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN

Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
Sandy Air Corp - AUSTRIA  
SeaTrepid Insterntional, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Silvercrest Submarines - UK  
SISTAC - Sistemas de Acesso S.A. - BRAZIL  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Subsea Tech - FRANCE  
SURF Subsea, Inc. - TX, USA  
Swire Seabed AS - NORWAY  
Tesla Offshore, LLC - LA, USA  
Tiburon Subsea Services, Inc. - FL, USA  
UNCW-Undersea Vehicles Program - NC, USA  
Underwater Robotics, Ltd. - RUSSIA  
U.S. Underwater Services, LLC - TX, USA  
UTEC Survey - TX, USA  
WT Industries, LLC - TX, USA

## Construction

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd - UK  
Bibby Offshore - SCOTLAND  
Brone Survey & Positioning - NIGERIA  
C&C Technology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
Canyon Offshore - Helix - TX, USA  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Energy Subsea, LLC - FL, USA  
Fugro Subsea Services, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Global Diving & Salvage, Inc. - WA, USA  
iRov Underwater Services - ITALY  
i-Tech - TX, USA  
Kreuz Subsea Pte. Ltd. - SINGAPORE  
Marine Tech - FRANCE  
Mariner Underwater Electronics - GREECE  
Modus Seabed Intervention - UK  
Ocean Tech Services, LLC - NJ, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
SeaTrepid Insterntional, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Subsea Tech - FRANCE  
SURF Subsea, Inc. - TX, USA  
Swire Seabed AS - NORWAY  
Tesla Offshore, LLC - LA, USA  
Underwater Robotics, Ltd. - RUSSIA  
UTEC Survey - TX, USA

## Observation

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd - UK

# Vehicle Operators by Type

Benthic Solutions Ltd. - UK  
Bibby Offshore - SCOTLAND  
Blue Ocean Monitoring - AUSTRALIA  
C&C Technology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
CLS - FRANCE  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Edgelab Srl - ITALY  
Energy Subsea, LLC - FL, USA  
Fastwave - WA, AUSTRALIA  
FIELAX GmbH - GERMANY  
Fugro - TX, USA  
Fugro Subsea Services, Ltd. - UK  
Fugro Survey, Ltd. - UK  
GEOTAG Enfenharia LTDA. - BRAZIL  
Global Diving & Salavage, Inc. - WA, USA  
Global Seas - WA, USA  
Harvey-Lynch, Inc. - TX, USA  
iRov Underwater Services - ITALY  
Jifmar Offshore Services - FRANCE  
Lockheed Martin - Undersea Systems - FL, USA  
Marine Advanced Research (WAM-V) - CA, USA  
Mariner Underwater Electronics - GREECE  
Marine Tech - FRANCE  
Modus Seabed Intervention - UK  
Mt. Mitchell, LLC - WA, USA  
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Ocean Tech Services, LLC - NJ, USA  
Oceaneering International, Inc. - TX, USA  
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Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
Sandy Air Corp - AUSTRIA  
SeaTrepid Insterntional, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Silvercrest Submarines - UK  
SISTAC - Sistemas de Acesso S.A. - BRAZIL  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Subsea Tech - FRANCE  
Tiburon Subsea Services, Inc. - FL, USA  
UNCW-Undersea Vehicles Program - NC, USA  
U.S. Underwater Services, LLC - TX, USA  
UTECH Survey - TX, USA  
WT Industries, LLC - TX, USA

Energy Subsea, LLC - FL, USA  
Fastwave - WA, AUSTRALIA  
FIELAX GmbH - GERMANY  
Fugro - TX, USA  
Fugro Subsea Services, Ltd. - UK  
Fugro Survey, Ltd. - UK  
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Global Seas - WA, USA  
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Jifmar Offshore Services - FRANCE  
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Marine Advanced Research (WAM-V) - CA, USA  
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Marine Tech - FRANCE  
Modus Seabed Intervention - UK  
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Ocean Tech Services, LLC - NJ, USA  
Oceaneering International, Inc. - TX, USA  
Oceanic Platform of the Canary Islands (PLOCAN) - SPAIN  
Orca Maritime, Inc. - CA, USA  
Phoenix International Holdings, Inc. - MD, USA  
QSTAR S.L.U. ROV Division - SPAIN  
ROVOP - SCOTLAND  
Sandy Air Corp - AUSTRIA  
SeaTrepid Insterntional, LLC - LA, USA  
SeaView Systems, Inc. - MI, USA  
Sperre AS - NORWAY  
Submersible Systems, Inc. - LA, USA  
Subsea Tech - FRANCE  
Swire Seabed AS - NORWAY  
Technocean Subsea - NORWAY  
Tesla Offshore, LLC - LA, USA  
Tiburon Subsea Services, Inc. - FL, USA  
UNCW-Undersea Vehicles Program - NC, USA  
UTECH Survey - TX, USA  
WT Industries, LLC - TX, USA

## Data Collection

ACSM - SPAIN  
Aqueos Corporation - LA, USA  
ASI Marine - ON, CANADA  
Atlantas Marine Ltd - UK  
Australian Oceanographics - AUSTRALIA  
Benthic Solutions Ltd. - UK  
Blue Ocean Monitoring - AUSTRALIA  
C&C Technology, Inc., An Oceaneering International Co. - LA, USA  
Cabaco Marine Pte, Ltd. - SINGAPORE  
CLS - FRANCE  
Deep Sea Systems Int'l - MA, USA  
Delta SubSea - TX, USA  
DOF Subsea AS - NORWAY  
DOF Subsea USA, Inc. - TX, USA  
Eclipse Group, Inc. - MD, USA  
Edgelab Srl - ITALY

# Vehicle Operators A-Z

## ACSM

**AUVs, Towed Vehicles, ROVs** (Light, Medium, Heavy, Observation/Inspection)

### Survey, Inspection, Construction

Vigo, Pontevedra, 36201 SPAIN  
Contact: Gaizka Garay  
Phone: +34 986 441 640  
Fax: +34 986 441 695  
g.garay@acsmsships.com  
www.acsmships.com



## Aqueos Corporation

**ROVs** (Medium, Observation/Inspection)

### Survey, Inspection, Construction, Observation, Data Collection

Ventura , CA 93003, USA  
Phone: +1 805 676 4330  
Fax: +1 805 676 4335  
dholmes@aqueossubsea.com  
www.aqueossubsea.com



## ASI Marine

**AUVs, ROVs** (Light, Medium), **USVs**

### Survey, Inspection, Construction, Observation, Data Collection

St. Catharines, ON, CANADA  
Contact: Drew Michel  
Phone: Office +1 512 562 9000  
Cell +1 512 761 0292  
Fax: +1 905 641 1825  
dmichel@asi-group.com  
www.asi-group.com



## ASV Global UK

### USVs

Portchester, Hampshire, PO16 9RD UK  
Contact: Vince Dobbins  
Phone: +44 (0)23 9238 2573  
sales@asvglobal.com  
www.asvglobal.com

## ASV Global USA

### USVs

Broussard, LA  
Contact: Larry Karl  
Phone: (337) 422-4411  
larry.karl@asvglobal.com  
www.asvglobal.com



## Atlantas Marine Ltd

**ROVs** (Mini, Light, Medium, Observation/Inspection)

### Survey, Inspection, Construction, Observation, Data Collection

Atlantas House, Armoury Road  
Yeovil, Somerset, BA22 8RT, UK  
Contact: Charlie Foll  
Phone: +44 1935 426 000  
crf@atlantasmarine.com  
www.atlantasmarine.com



## Benthic Solutions Ltd.

### Benthic Landers, Towed Vehicles

### Survey, Observation, Data Collection

Norwich, Norfolk, NR12 8UH,UK  
Contact: Cecile Bertin  
Phone: + 44 (0) 1603 184726  
cecile@benthicsolutions.com  
www.benthicsolutions.com



## Bibby Offshore

**ROVs** (Light, Medium, Heavy)

### Survey, Inspection, Construction, Observation

Aberdeenshire AB32 6FJ SCOTLAND  
Phone: + 44 1224 857755  
Fax: + 44 1224 284444  
info@bibbyoffshore.com  
www.bibbyoffshore.com



## Blue Ocean Monitoring

### USV, Gliders

### Survey, Observation, Data Collection

Suite 2, Churchill Court, 234 Churchill Ave.  
Subiaco, WA 6008 AUSTRALIA  
Contact: Ross Dinsdale  
Phone: +61 8 6102 2999  
rdinsdale@blueoceanmonitoring.com  
www.blueoceanmonitoring.com



## Brone Survey & Positioning

**AUVs, ROVs** (Mini)

### Survey, Construction

Port Harcourt, Lagos, NIGERIA  
Contact: Bisi Adenuga  
Phone: +234 803 341 6763  
info@brone-survey.com  
www.brone-survey.com



## C & C Technologies, Inc.

An Oceaneering International Company

### AUVs

### Survey, Inspection, Construction, Observation, Data Collection

Lafayette, LA 70508 USA  
Contact: David Connell  
Phone: +1 337 210 0000  
Fax: +1 337 210 0003  
david.connell@cctechnol.com  
www.cctechnol.com



## Cabaco Marine Pte, Ltd.

**AUVs, ROVs** (Mini, Light, Medium, Heavy, Trenching)

### Survey, Inspection, Construction, Observation, Data Collection

608586 SINGAPORE  
Contact: Gerald Caba  
Phone: +65 6465 0498  
Fax: +65 6465 0496  
admin@cabaco.com.sg  
www.cabaco.com



## Canyon Offshore - Helix

**ROVs** (Medium, Heavy, Trenchers)

### Survey, Inspection, Construction

Houston, TX 77041 USA  
Phone: +1 713 856 6010  
Fax: +1 713 856 6020  
www.helixesg.com

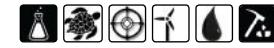


## CLS

### AUV, USV, Gliders

### Observation, Data Collection

Ramonville-Saint-Agne, 31520, FRANCE  
Contact: Brice Robert  
Phone: +33 561 394 700  
Fax: +33 561 751 014  
brobert@cls.fr  
www.cls.fr/en



## Deep Sea Systems Int'l

**ROVs** (Medium)

### Survey, Data Collection

Falmouth, MA 02541 USA  
Contact: Dante Delgrossio  
Phone: +1 508 564 7267  
Fax: +1 508 564 7878  
info@deepseasystems.com  
www.deepseasystems.com



# Vehicle Operators A-Z

## Delta SubSea

**ROVs (Heavy)**

**Survey, Inspection, Construction, Observation, Data Collection**

Montgomery, TX 77316 USA

Contact: Mike Herrin

Phone: +1 936 582 7237

Fax: +1 713 583 1369

proposals@deltasubsea-rov.com

www.deltasubsea-rov.com



## DOF Subsea AS

**AUVs, ROVs (Medium, Heavy)**

**Survey, Inspection, Construction, Observation, Data Collection**

5006 Bergen, NORWAY

Phone: +47 55 25 22 00

Fax: +47 55 25 22 01

info@dofsubsea.com

www.dofsubsea.com



## DOF Subsea USA, Inc.

**AUVs, ROVs (Medium, Heavy)**

**Survey, Inspection, Construction, Observation, Data Collection**

Houston, TX 77041 USA

Phone: +1 713 896 2500

Fax: +1 713 726 5800

infous@dofsubsea.com

www.dofsubsea.com



## Eclipse Group, Inc.

**AUV, Towed Vehicles, ROVs**

**(Light, Medium, Heavy, Inspection/Observation)**

**Survey, Inspection, Construction, Observation, Data Collection**

Annapolis, MD 21401, USA

Contact: Steven Saint Amour

Phone: +1 401 553 3041

ssaintamour@eclipse.us.com

www.eclipse.us.com



## Edgelab, Srl

**AUVs**

**Survey, Inspection, Observation, Data Collection**

La Spezia, 19136 ITALY

Contact: Lavinio Gualdesi

Phone: +3901871822943

lavinio.gualdesi@edgelab.eu

www.edgelab.eu



## Energy Subsea, LLC

**ROVs (Mini, Light, Medium, Heavy, Trenching)**

**Survey, Inspection, Construction, Observation, Data Collection**

Miami, FL 33139 USA

Contact: Oddgeir Ingvarstsen

Phone: +1 786 454 4885

Fax: +1 800 849 7170

office@energysubsea.com

www.energysubsea.com

## Fastwave

**USVs, Gliders**

**Survey, Observation, Data Collection**

Subiaco, WA, 6008 AUSTRALIA

Contact: Nick Daws

Phone: +61 8 9381 5353

Fax: +61 8 9381 5885

nick@fastwave.com.au

www.fastwave.com.au



## FIELAX GmbH

**ROV's (Mini, Light)**

**Survey, Inspection, Observation, Data Collection**

Bremerhaven, Bremen 27568 GERMANY

# Vehicle Operators A-Z

## Fugro

### AUVs

**Survey, Inspection, Observation, Data Collection**

Houston, TX 77081 USA  
Contact: Melissa Wood  
Phone: +1 713 369 5837  
Fax: +1 713 369 5811  
mwood@fugro.com  
www.fugro.com



## Fugro Subsea Services, Ltd.

### ROVs (Mini, Light, Medium, Heavy, Trenching)

**Inspection, Construction, Observation, Data Collection**  
Aberdeen, AB23 8JW UK  
Contact: Mike Halliday  
Phone: +44 1224 257747  
m.halliday@fugro.com  
www.fugro.com



## Fugro Survey, Ltd.

### AUVs

**Survey, Inspection, Data Collection**

Aberdeen, AB23 8JW UK  
Contact: Derek Giles  
Phone: +44 1224 257500  
d.giles@fugro.com  
www.fugro.com



## GEOTAG Enfenharia Ltda.

### AUVs, USVs, Gliders, ROVs (Mini, Light, Medium, Heavy, Trenching)

**Survey, Inspection, Construction, Observation, Data Collection**  
Santos, Sao Paulo, 11030-395 BRAZIL  
Contact: Jose Bartolomeu F. Fontes  
Phone: +55 1333072993  
contato@geotagbatimetria.com.br  
www.geotagbatimetria.com.br



## GeoTech System Corp.

### AUVs, Towed Vehicles, Trenchers, Crawlers, ROVs (Mini, Light, Medium, Heavy, Inspection/Observation)

**Survey, Inspection, Construction, Data Collection**  
Seoul, 150-015 REP. OF KOREA  
Contact: Donghun Kim  
Phone: +82 2 2068 3070  
Fax: +82 2 2068 9067  
info@geotechsystem.com  
www.geotechsystem.com



## Global Diving & Salvage, Inc.

### ROVs (Mini, Light, Medium)

**Survey, Inspection, Construction, Observation, Data Collection**  
Seattle, WA 98106, USA  
Contact: Mike Langen  
Phone: +1 206 623 0621  
Fax: +1 206 932 9036  
mlangen@gdiving.com  
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## Global Seas

**Survey, Inspection, Observation,**

**Data Collection**

Seattle, WA 98199 USA

Contact: Bill Franks

Phone: +1 206 770 7801

bill.franks@globalsseas.com

www.globalsseas.com



## Harvey-Lynch, Inc.

**AUVs, ROVs (Medium, Heavy)**

**Survey, Inspection, Data Collection**

Stafford, TX 77477 USA

Contact: Aboud Abotouk

Phone: +1 281 240 5441

Fax: +1 281 240 0932

abouda@harvey-lynch.com

www.harvey-lynch.com



## Hibbard Inshore, LLC

**AUVs, ROVs (Light)**

Auburn Hills, MI 48326 USA

Contact: David Malak

Phone: +1 248 745 8456

Fax: +1 248 745 4958

dave.malak@hibbardinshore.com

www.hibbardinshore.com



## iRov Underwater Services

**AUVs, ROVs (Mini, Light, Medium, Heavy)**

**Survey, Inspection, Construction, Observation, Data Collection**

Conegliano, 31015 ITALY

Contact: Mauro Stasi

Phone: +390438841686

Fax: +390438980046

mauro.stasi@irov.it

www.irov.it



## i-Tech

**ROVs (Heavy)**

**Construction**

Katy, TX 77449 USA

Contact: Katarina Tehlirian

Phone: +1 281 693 9403

katarina.tehlirian@subsea7.com

www.interventiontechnology.com



## Jifmar Offshore Services

**ROVs (Mini, Light, Medium, Observation/Inspection)**

**Survey, Inspection, Observation, Data Collection**

13100 Aix-en-Provence, France

Contact: Sales Department

Phone: +33 4 86 82 03 60

Fax: +33 4 13 94 08 29

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# Vehicle Operators A-Z

## Kreuz Subsea Pte. Ltd.

**ROVs** (Light, Medium, Heavy)

Survey, Inspection, Construction, Observation

609920 SINGAPORE

Contact: Paolo Cattaneo

Phone: +65 6505 0900

Fax: +65 6505 0901

enquiry@kreuzsubsea.com

www.kreuzsubsea.com



## Lockheed Martin - Undersea Systems

**AUVs**

Survey, Inspection, Data Collection

West Palm Beach, FL 33404 USA

Contact: Brandon Broom

Phone: +1 713 243 5750

brandon.broom@lmco.com

www.lockheedmartin.com/marlin



## Marine Advanced Research (WAM-V)

**USVs**

Survey, Inspection, Observation, Data Collection

Richmond, CA 94804 USA

Contact: Sales & Services

Phone: +1 510 232 1685

info@wam-v.com

www.wam-v.com



## Marine Tech

**USVs**

Survey, Inspection, Construction, Observation, Data Collection

Six-Fours les Plages, 83140 - France

Contact: Magali Mouries

Phone: +33 09 54 82 10 52

Fax: +33 09 59 82 10 52

contact@marinetech.fr

http://en.marinetech.fr/Marine-survey-USV#a380



## Mariner Underwater Electronics

**ROVs** (Medium)

Survey, Inspection, Construction, Observation, Data Collection

Piraeus 18532 GREECE

Contact: Marinos Pittas

Phone: +30 2104100656

Fax: +30 2104100658

marhge@otenet.gr

www.mariner.gr



## Modus Seabed Intervention

**AUVs, ROVs** (Light, Medium, Heavy, Trenching)

Survey, Inspection, Construction, Observation, Data Collection

County Durham, DL1 5RW UK

Contact: Nigel Ward

Phone: +44 1325 387480

Fax: +44 1325 387481

proposals@modus-ltd.com

www.modus-ltd.com



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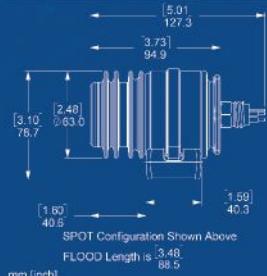
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# Vehicle Operators A-Z

## Mt. Mitchell, LLC

AUVs, Gliders

Survey, Inspection, Observation,  
Data Collection

Seattle, WA 98199 USA

Contact: William Franks

Phone: +1 206 770 7801

bill.franks@globalsseas.com

www.globalsseas.com



## Ocean Floor Geophysics, Inc.

AUVs, Benthic Landers, Towed  
Vehicles

Survey, Observation, Data Collection

Burnaby, BC, CANADA

Contact: Matthew Kowalczyk

Phone: +1 778 654 7781

Fax: +1 778 654 7779

info@OceanFloorGeophysics.com

www.OceanFloorGeophysics.com



## Ocean Tech Services, LLC

Towed Vehicles, ROVs (Light, Obser-  
vation/Inspection)

Survey, Inspection, Observation, Data  
Collection

Atlantic City, NJ, 08401 USA

Contact: Tim Axelsson

Phone: +1 609 350 7455

taxelsson@oceantechusa.com

www.oceantechusa.com



## Oceaneering International, Inc.

AUVs, ROVs (Light, Medium, Heavy)  
Inspection, Observation, Data  
Collection

Houston, TX 77002 USA

Contact: Sales

Phone: +1 713 337 3737

Fax: +1 713 337 3740

data@oceaneering.com

www.oceaneering.com



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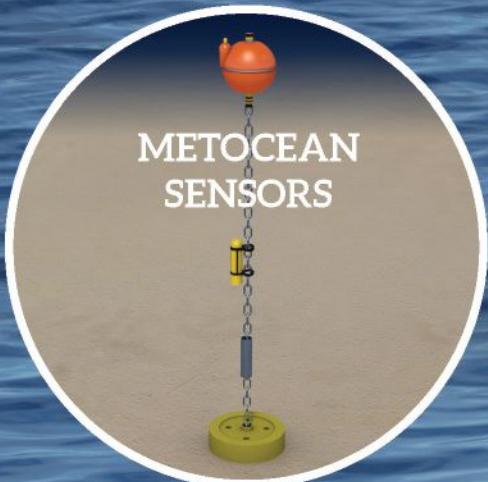
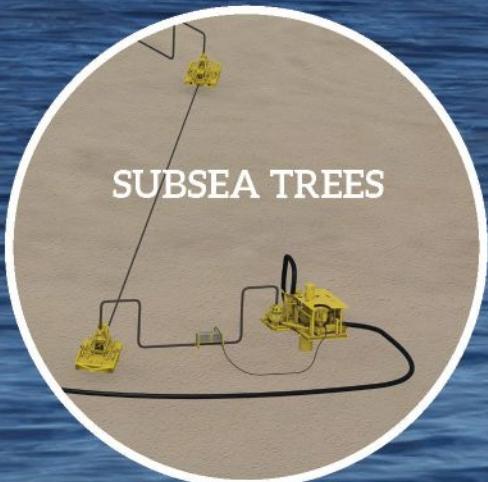
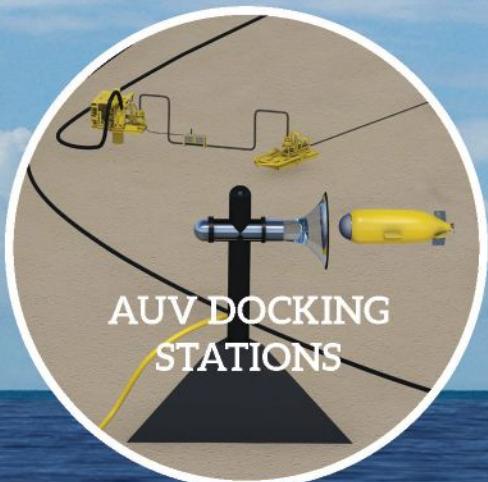
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