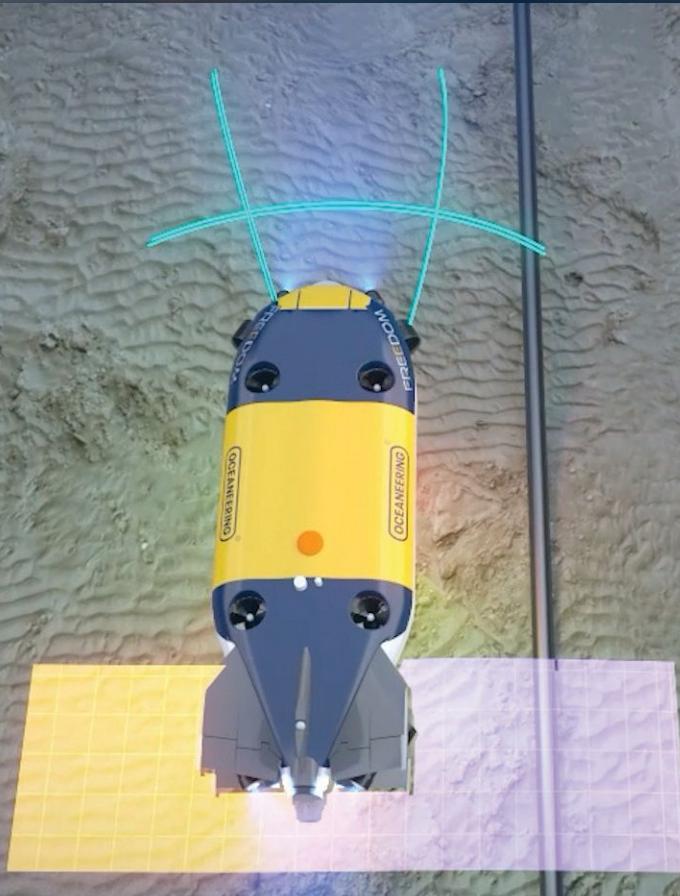


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UNCREWED VEHICLE BUYERS' GUIDE

2024–2025



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The future of data collection is here, and it is uncrewed.

SeaTrac's solar-powered uncrewed surface vehicle (USV) SP-48 works relentlessly on nearly any marine mission 24/7, in-shore or offshore, for months at a time. No other USV is as easy to deploy and operate while supporting so many payloads. With a low cost of ownership and right-sized for transport and fleeting, SeaTrac is the industry's ultimate USV.

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YEARS
1964 - 2024

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MAUI GEN 2



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SHARP DATA | ANYTIME |



NemoSens®
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RTSYS
Underwater Acoustics & Drones

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MANAGING EDITOR

Ed Freeman

EDITORIAL

Haley McQueen
G. Allen Brooks
Inger Peterson
Jenna Holleran

PRODUCTION

Lisa D. Ferrari
Keith Meinholt
Patrick Lyons

DISTRIBUTION

Whitney Schwerin
Kadesha Dsilva

ADVERTISING

Lisa Chilik
Tel: +1 574 261 4215
Lchilik@tscpublishing.com

Mimi King

Tel: +44 777 601 7564
mking@tscpublishing.com

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SMART SUBSEA SOLUTIONS

- Delivering data in most adverse conditions: underwater acoustic modems with advanced communication technology and networking
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- Quadroin - the novel bionic AUV for surveys and monitoring



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UNCREWED VEHICLES DRIVE OCEAN EXPLORATION EFFORTS



BY ED FREEMAN
Managing Editor, ON&T

Welcome to the 10th edition of ON&T's *Uncrewed Vehicle Buyers' Guide* (UVBG). 2024 has undoubtedly been a busy year for professionals working in the marine uncrewed vehicle space. So far, from January through June, we have seen an unprecedented uptick in news specific to such technologies; in fact, the number of press announcements directly related to uncrewed vehicles in Q1/Q2 2024 was up 54% when compared to Q3/Q4 2023.

While the nature of these stories varies, they share a common goal: to champion ongoing investment in the trial, adoption, and integration of intelligent systems designed to enable the remote operation of marine assets on and below the waterline.

The real-world utility of uncrewed vehicles is no longer conceptual. The evidence is not only compelling, but irrefutable. Operators now, more than ever before, have access to field-proven commercial systems capable of delivering a sustainable—and scalable—operational win-win: a cost-effective, carbon-conscious means of executing in-field tasks with less topside vessel and personnel support.

DEFENSE & SECURITY ADVANCEMENTS

The last 12 months have demonstrated that warfare in the digital age still heavily relies on traditional, industrial-age tactics and assets. But recent and very effective deployments of uncrewed technologies in hostile waters—perhaps best demonstrated by Ukraine forces in February 2024 when weaponized kamikaze USVs successfully targeted specific areas of Russian frigates—point to battlelines that now prioritize a hybrid approach; that is, warfighters operating in concert with uncrewed vehicles to gain naval advantage.

These uncrewed vehicles—USVs, AUVs, ROVs, and other towed bodies—are not poised to substitute personnel in the field but rather complement them, ushering in a newly defined playbook for precise and decisive campaigns that seek to keep people, where possible, out of harm's way. The growing scope of international Navy-led exercises, programs that aim to optimize system interoperability and encourage tech collaboration between pub-

lic and private sectors, continues to bring innovation to this new dynamic.

ENERGIZING THE OFFSHORE INDUSTRY

Other headlines this year chronicle the growing role of uncrewed vehicles in augmenting Life-of-Field services for offshore energy developers. This year, we have seen several instances of successful offshore infrastructure surveys led by the latest USVs, AUVs, and ROVs, with service providers and vehicle manufacturers alike keen to push product diversification and extend the capacity of such assets.

Unrelenting geopolitical tensions alongside mounting pressures to address the challenges of climate change continue to push the sustainable equilibrium between the demand and supply of carbon-conscious energy. The rapid expansion of the offshore renewables industry—unprecedented levels of investment in offshore wind, wave, tidal, current, and solar—will recalibrate the future global energy mix. But this transition will rely on the efficient, cost-effective service of uncrewed electric vehicles.

This appetite for diversification, across all uncrewed vehicles featured in this UVBG, is not only symptomatic of growth and applicability but also adaptability. Vehicles are being tested in novel ways. New payload configurations and battery packs are extending endurance capacity and pushing autonomous capabilities. Manufacturers are responding, creating new models to satisfy shifting needs. This ultimately translates into choice, an essential measure of any prosperous market.

And the numbers don't lie; when compared to last year's UVBG, USV and Observational ROV listings are both up by more than 26%, with AUVs and Gliders & Profilers next (+20%).

As momentum builds for the integration of uncrewed technologies, so does the need for thorough and systematic training. For this reason, Workforce Development, a new section of the UVBG, presents some of the leading providers of training programs specifically for the operation of uncrewed vehicles.

Leaders in Unmanned Vehicle Technology



Slocum G3 Glider



APEX Floats



Slocum Sentinel Glider
Next Generation,
Ultra Long
Endurance Glider



Z-Boat



Gavia AUV



SeaRaptor AUV



Osprey AUV

Teledyne Marine manufactures a wide selection of uncrewed vehicles operating throughout the water column from the surface to the seafloor, including shallow and deepwater modular AUV's for military, commercial and scientific applications, Oceanscience USVs capable of carrying an array of survey instrumentation along with Slocum autonomous underwater gliders and APEX profiling floats for long duration and persistent oceanographic research and environmental monitoring.

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MINI BUT MIGHTY

Micro AUV provides integrated survey solution

RTsys

Underwater Acoustics & Drones



NemoSens is a 300 m depth rated micro (less than 1 m in length) and highly portable (less than 10 kg in weight) autonomous underwater vehicle (AUV). Lightweight and modular, its open LINUX architecture allows users to develop their own navigation algorithm for greater flexibility and maximal use.

Designed by French company RTsys, NemoSens is the only micro AUV of the market with modular architecture and interchangeable payloads. Operators can easily switch between different sensor payloads, to collect diverse data without the need of several dedicated AUVs for each type of missions.

In addition to the ease of operations, this new technological approach also results in cost savings, not only by using one unique modular vehicle but also if a specific module fails or needs maintenance, it can be replaced quickly without affecting the entire AUV's operational status. In some cases, users may be able to perform field repairs by replacing or repairing specific modules without specialized tools or extensive technical knowledge.

PAYOUT FLEXIBILITY

In practice, NemoSens can be equipped with many different sensor and equipment configurations, including multiparameter probes (e.g., CTDs), side-scan sonar, video cameras, magnetometers, altimeters, and ADCPs, to name just a few. When outfitting the NemoSens with new sensors, RTsys engineers are looking for compact devices (in size and

weight), that are easily integrable, with high quality data acquisition, and affordable enough so that the AUV remains accessible to a wide range of operators.

The modularity of NemoSens comes from its internal processor: an open architecture operated under LINUX. Researchers can use NemoSens as a platform for experimentation and testing, enabling users to rapidly prototype and evaluate new technologies without redesigning an entire AUV for each new sensor or item to be tested underwater.

New DVL, upgraded multi parameter sensors, new technology of sonar: nothing is better suited than NemoSens as a test bed for new prototypes in real-world conditions underwater.

PRECISE NAVIGATION

Capable of diving to 300 m, the AUV's open LINUX architecture also allows users to develop their own navigation algorithm for greater flexibility and maximal use. Engineered for the precise identification and localization of underwater target across large search areas, NemoSens delivers ultra-high accuracy positioning thanks to its acoustic communication system.

With more than 50 configurations already delivered across the world, NemoSens is leading the sector of micro AUVs while offering the most flexible underwater survey solution to scientific, industrial, and defense users.

rtsys.eu



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UNCREWED VEHICLE
BUYERS' GUIDE
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OBSERVATION ROVs

OBSERVATION ROVs

AC-CESS

WWW.AC-CESS.COM | info@ac-cess.com



AC-ROV 100

The AC-ROV 100 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 18 kg. It defines the "HAND CARRY" single operated class in underwater inspection systems. (Customizable)



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AC-ROV 3000

The AC-ROV 3000 is the first ever deep ocean micro ROV. To maximize its capability, it comes fully packaged with a Teher Management System (TMS), allowing it to operate as a 3000 m depth rated "Fly-Out" from many types and size of host submersible.



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BLUELINK, LLC

HTTPS://BLUE-LINKED.COM

Jeff Conger | Jeff@blue-linked.com



DORY

Dory is the world's smallest commercial underwater drone.

15 m (50 ft) Depth Rating

1 hour Average Run Time

1080P HD Video

247 mm (9.7") Length

500 Lumen Lighting

5 Thrusters

(Customizable)



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BLUEROBOTICS

WWW.BLUEROBOTICS.COM

Sales | sales@bluerobotics.com



BLUEROV2

Ocean research, exploration, and adventure are all made easily accessible by our flagship product, the BlueROV2. It provides the capabilities of a high-end commercial mini ROV at the price of the most basic commercial ROVs, making the BlueROV2 the world's most affordable inspection and research-class subsea vehicle. (Customizable)



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BLuelink, LLC

HTTPS://BLUE-LINKED.COM | Jeff Conger | Jeff@blue-linked.com



M2

The M2 is the world's first professional observation underwater ROV with eight vectored thrusters, and is designed for light-duty professional and enterprise use.

100m (330 ft) Depth Rating

1.5 hour Average Run Time

4K UHD Video/12M Stills

385 mm (15") Length

2400 Lumen Lighting

5 Thrusters

(Customizable)



GLADIUS MINI

Gladius is the world's first five-thruster mini-size underwater drone with Intelligent Control algorithms.

100 m (330 ft) Depth Rating

1.5 hour Average Run Time

4K UHD Video/12M Stills

385 mm (15") Length

2400 Lumen Lighting

5 Thrusters

(Customizable)



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BLUEYE PIONEER

Groundbreaking technology to get your eyes below the surface. The Blueye Pioneer underwater drone offers exceptional user experience and performance.



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BLUEYE X1

One-man portable ROV to interact with the underwater environment. Quick and user-friendly inspection of your assets below the surface. (Customizable)



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BLUEYE X3

The ROV providing you with endless possibilities. 3 Guest Ports enabling integration of different external equipment. (Customizable)



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BOXFISH ROBOTICS

WWW.BOXFISH.NZ

info@boxfish.nz



BOXFISH LUNA

The only next-generation professional cinematography ROV integrating a full-frame camera capable of shooting up to 4K ProRes RAW video at 30p and 50MP stills. The actively stabilized vehicle can travel and orientate itself in any direction, ensuring super-smooth and creative shots. The surface console also enables precise management of camera settings.



OBS

DEEP OCEAN ENGINEERING, INC.

WWW.DEEPOCEAN.COM | Sales | sales@deepecocean.com



PHANTOM® L-SERIES

The Phantom® L-Series is an inspection-class underwater remotely operated vehicle, designed for use in numerous applications across a spectrum of industries. The Phantom® L6 is designed with four vectored horizontal and two vertical Tecnadyne® thrusters, which provide significant control and propulsion in current.



OBS



PHANTOM® T-SERIES

The Phantom® T-Series ROV provides powerful maneuverability, incorporates an open architecture, integrates with a wide variety of sensors and is hand-built on a rugged, resilient, non-corroding polypropylene chassis that can accommodate heavier payloads. In addition, the Phantom® T5 Defender package is engineered to include navigation software, an Inertial Navigation System (INS), Doppler Velocity Log (DVL), GPS, imaging sonar, a single-function manipulator, and our patented underwater breech for explosive ordinance disposal. (Customizable)



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OBSERVATION ROVs

DEEP TREKKER INC.

WWW.DEEPTREKKER.COM
Sales | sales@deeptrekker.com

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DTG3

DTG3 ROV is built for quick deployment and reliable underwater surveys and inspections. With a 200 m (656 ft) depth rating, full HD camera (270° view), and up to 500 m tether length, it boasts a durable aluminum coating and compatibility with industry-specific add-ons like grabber claws, water samplers and more. (Customizable)



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PHOTON

Everything you need to perform an inspection or survey out of the box. The PHOTON package includes our enhanced 4K camera, LED floodlights, a swappable battery, 100m tether and tether reel, controller, and carrying case. (Customizable)



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PIVOT

Featuring six powerful thrusters, lithium-ion batteries for portability, 4K camera (220° FOV), 305 m (1,000 ft) depth rating, bright LED floodlights, and up to 500 m (1,640 ft) tether. Built tough with anodized aluminum, carbon fiber, stainless steel and seamless integration with add-ons and sensors, such as sonar, USBL, and DVL systems. (Customizable)



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DEEPINFAR OCEAN TECHNOLOGY

WWW.DEEPINFAR.COM | Sales | info@deepinfar.com



HAITUN ROV

The "HaiTun" series is an observation and light work class remotely operated vehicle (ROV) developed by Deepinfar, Ltd. The "HaiTun" weighs ≤ 150 kg and is suitable for working in a wide water environment. Compared with other small underwater vehicles, it has a strong payload capacity and is less affected by currents and waves. The high stability and flexibility of "HaiTun" makes it suitable for offshore applications. (Customizable)



OBS



HETUN ROV

The "HeTun" series is an entry-level observation class which is economical and convenient, and is suitable for most relatively calm waters.



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JIANGTUN ROV

Compared with HeTun, the JiangTun series of remotely operated vehicles has a more advanced configuration and is more expandable. The JiangTun has accumulated rich application cases in various fields such as salvage, water resources & hydropower, marine pasture, and ocean scientific research. (Customizable)



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DEEPINFAR OCEAN TECHNOLOGY

WWW.DEEPINFAR.COM

Sales | info@deepinfar.com



WHITESHARK MINI ROV

The White Shark Mini is a compact remotely operated vehicle. Although it's small in size and light in weight, it has a large field of view. It can be easily carried or deployed by one person. The depth rating is up to 100 meters. It can be widely used in hull inspection, aquaculture farms, education and research applications, underwater entertainment, etc. (Customizable)



OBS

DWTEK CO., LTD.

DWTEKMARINE.COM | info@dwtek.com.tw



INVESTIGATOR 90

I90 is a versatile and powerful ROV, created to work both on land and in water to fly and drive on the seabed. The I90 can be used in many scenarios with different tooling for inspection, repair operations, and so on. (Customizable)



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INVESTIGATOR 90+

Upgraded from I90, the new generation I90+ is larger in size, more powerful, and able to contain two more extra thrusters with a stronger torque. The I90+ is also more flexible and agile. (Customizable)



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ALPHAROV D150

EPRONS produces a series of modern digital surface powered underwater remotely operated vehicles (ROV) models designed for observation, inspection, exploration or search & rescue missions. Working depth till 150 meters. Tether length 150 meters (up to 300 m). Full HD 1080P 2MP Color camera. 4 Brushless thrusters: 2 Horizontal; 2 Vertical; 1 Lateral.



OBS



ALPHAROV D200

Working depth till 200 meters. Tether length 200 meters (up to 600 m). Full HD 1080P 2MP Color camera. 5 Brushless thrusters: 2 Horizontal; 2 Vertical; 1 Lateral.



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ALPHAROV D300

Working depth till 300 meters. Tether length 300 meters (up to 1,200 m). Front: Color Full HD and B/W cameras. Rear: additional color/B/W camera Full HD 1080P 2MP. 7 Brushless thrusters: 4 Horizontal; 2 Vertical; 1 Lateral. Vectored thrusters configuration available for this model.



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EPRONS ROV LTD.

[HTTPS://EPRONS.LV/EN](https://eprons.lv/en) | info@eprons.eu



ALPHAROV D500

Working depth till 500 meters. Tether length 500 meters (up to 5,000 m). Front: Color Full HD and B/W cameras. Rear: additional color/B/W camera Full HD 1080P 2MP. 7 Brushless thrusters: 4 Horizontal; 2 Vertical; 1 Lateral. Vectored thrusters configuration available for this model.



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EXAIL

[WWW.EXAIL.COM](http://www.exail.com) | Antony Penn | sales.robots@exail.com



SEASCAN MK2

The SEASCAN is a light-weight, self-powered ROV dedicated to inspection missions. Its unique architecture ensures second to none performance in terms of hovering capability and stability in turbulent water. Easy to deploy from any kind of platform, the user-friendly command and control software offers auto piloting functions and allows to conduct the operation in a safe way from deployment to the final firing. (Customizable)



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GNOM ROV

WWW.GNOMROV.COM | info@gnom-rov.com



GNOM BABY

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.



OBS



GNOM STANDARD

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



OBS



SUPERGNOM

The most advanced model SuperGNOM 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 200 m.



OBS

HR WALLINGFORD

HTTPS://EQUIPIT.HRWALLINGFORD.COM

Peter Watchorn | P.Watchhorn@hrwallingford.com



ARCBOAT LITE

The ARCboat Lite is optimized to carry out bathymetric and river current surveys in lower flow environments. With a robust, lightweight hull, it has been designed for use by a single person. It can reach more of a survey site than previously possible, thanks to high maneuverability and shallow draft. (Customizable)



OBS | VC&L | A&T

HR WALLINGFORD

HTTPS://EQUIPIT.HRWALLINGFORD.COM

Peter Watchorn | P.Watchhorn@hrwallingford.com



ARCBOAT

The ARCboat is a remote controlled boat used to collect river and estuarine data including flow, depth and suspended sediment concentrations. It was developed in partnership with end-users to meet their exact needs. The boat can carry a variety of Acoustic Doppler Current Profilers (ADCP) and other instruments. (Customizable)



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HYDROMEA

WWW.HYDROMEA.COM | Sales | sales@hydromea.com



EXRAY WIRELESS ROV

EXRAY is a hydrodynamic and highly agile inspection ROV with a low cross-section that fits through every access hatch and is specifically designed to inspect confined flooded or semi-open spaces such as ballast water or storage tanks. It is class-approved and optionally has an ultra-sonic thickness gauge and a sonar, both with deep integration into the user interface. Being the world's only (optionally) wireless ROV it can go where other vehicles would have their tethers snagged. (Customizable)



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OBSERVATION ROVs

JW FISHERS MFG. INC.

WWW.JWFISHERS.COM | Brian Fisher | info@jwfishers.com



SEALION-3

The SeaLion-3 has a 1,000 foot depth capability and comes standard with both a full HD pan and tilt front, color camera and rear camera. The ROV features a powerful and sophisticated seven motor, vectored propulsion system allowing it to hover "in place" and rotate 360 degrees. (Customizable)



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L3HARRIS

WWW.L3HARRIS.COM

Giuseppe Ranieli | Calzoni.Sales@L3Harris.com



AGEOTEC ROV SIRIO

Leveraging more than two decades experience in coastal and offshore surveying and construction characterizing the AGEOTEC product line, the ROV Sirio presents itself as the first model of L3Harris' wide range of remotely operated vehicles. Sirio features a modular chassis manufactured in high impact resistant polypropylene, totally maintenance-free and non-corroding. (Customizable)



OBS | VC&L | A&T

MARINE IMAGING TECHNOLOGIES

WWW.MARINEIMAGINGTECH.COM

David Ullman | david@marineimagingtech.com



MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE | Niklas Becker | n.becker@mariscope.de



MS2

Evolved, depth rated to 500 meters. 35 kg and 4 thrusters. Hydro dynamic shape in a stainless steel frame (AISI 316L) manually TIG-welded, equipped with high end components (Full HD Cam with laser pointers and others) and customizable accessories, offers maximum operating stability, high maneuverability and easy maintenance. Lifetime warranty. (Customizable)



OBS | VC&L | A&T

PEEWEE 100

The world's first hybrid of its type, combination between a ROV and a towed vehicle. Robust stainless steel TIG hand welded frame but easy to carry by hand, incorporates a Full HD camera and with a pair of high output LED spotlights, both installed on a tilting system. Lifetime warranty. (Customizable)



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KEY



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PIXEL

The original Cinema class ROV, Pixel boasts live stream imaging and control of forward facing 4K and HD video and 45mp stills along with 4K video downward facing. Conceived by a cinematographer, Pixel's original purpose was to be the ideal system for subsea documentaries. She has since expanded into research and exploration, adding photogrammetry to her list of skills. (Customizable)



OBS | VC&L | VSK

PORTABLE AND RUGGED ROVs

Complex underwater missions made easy



DEEP TREKKER™

Deep Trekker is headquartered in Kitchener, Ontario, Canada, known as the Silicon Valley of the North—a hub for technological engineering and advancements. The company employs over 100 staff globally, with all engineering and manufacturing activities completed in-house, sales in over 100 countries, and offices in Chile, Italy, and the UK.

Established in 2010, Deep Trekker was born from a serendipitous moment. Co-founder and President, Sam MacDonald explains: "It all started one night when I dropped a flashlight off my boat in Lake Huron and I said, 'You know, what we really need is a robot to get that...' It started out as a bit of a joke, but then I really got interested in the concept and the idea of designing such a device."

MODULAR DESIGN

Built from industrial-grade materials, Deep Trekker ROVs are engineered to withstand the harshest environments, with little to no maintenance required, thanks to a magnetically coupled drive system, eliminating the need for gasket replacement, or nitrogen gas filling.

Deep Trekker ROVs are powered by BRIDGE technology, allowing for a range of modular add-ons, such as sonar, grabber claws, USBL,

DVL, ultrasonic thickness gauges, cleaning tools, water and sediment samplers, mort pushers, and many more industry-specific tools.

UNDERWATER IMAGING & NAVIGATION

Deep Trekker's enhanced 4K cameras, optimized by BRIDGE software algorithms, provide clarity even in challenging underwater environments. Image dewarping, filtering, auto white balance, and optimized focal ranges help operators understand their environment and capture better footage.

Deep Trekker ROVs are compatible with the latest sonars and USBL positioning systems, as well as Dead Reckoning capabilities to help users locate and identify targets and further understand their underwater position, making them ideal tools for search and recovery missions, hull inspections, and low-visibility operations.

BRINGING AUTONOMY TO THE FIELD

Deep Trekker ROVs seamlessly fuse all sensor data into one handheld, weatherproof controller for autonomous control. See direct imaging sonar feed, with advanced autonomous stabilization and position tracking—all alongside the ROV live video feed. Deep Trekker's Mission Planning feature

also utilizes advanced algorithms for intelligent pathfinding. Precise navigation allows your ROV to autonomously follow designated waypoints, optimizing efficiency and reducing operator workload.

Cutting-edge underwater vehicles for critical applications in government, defense, utilities, law enforcement, search and rescue, aquaculture, commercial diving, maritime offshore, energy, ocean science, and more. Our robotics are built to help virtually any operator inspect and protect the world's submerged assets.

FIVE STAR CUSTOMER SERVICE

Unlike other ROV manufacturers, Deep Trekker does not believe in providing set service hours. We are available when our customers need us, and a senior ROV team member is only an email or phone call away. When you purchase an ROV from Deep Trekker, you buy the team, the ideas, the vision, and the support. From joining expeditions to providing spare parts at a reasonable cost, we aim to be a part of your team, and part of your journey wherever that may take us.

deeptrekker.com



OBSERVATION ROVs

OCEANBOTICS INC.

WWW.OCEANBOTICS.COM

Sales | wprice@oceanbotics.com



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SRV-8 MDV

The SRV-8 MDV (Mine Disposal Vehicle) is the latest addition to Oceanbotics' Special Purpose Vehicle Division. This field-tested underwater ROV will detect and eliminate explosive mine threats quickly and efficiently, utilizing ECS Special Projects' Viper MDS technology for neutralizing improvised explosive devices (IEDs). The SRV-8 MDV's ease of use and adaptive software will allow commercial and naval EOD teams to locate and neutralize mine threats quickly. (Customizable)



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OUTLAND TECHNOLOGY

WWW.OUTLANDTECH.COM

Sales | sales@outlandtech.com



ROV-1500

Introducing the ROV-1500 by Outland Technology, a state-of-the-art remotely operated vehicle crafted for exceptional performance. Engineered with a focus on compactness and portability, this innovative device packs a punch while remaining effortlessly maneuverable. Boasting a depth rating of 2,000 feet (600 meters) and equipped with automatic depth, heading, and pitch adjustments, it ensures seamless operation without the hassle of frequent maintenance.



OBS

OUTLAND TECHNOLOGY

WWW.OUTLANDTECH.COM | Sales | sales@outlandtech.com



ROV-500

1000 ft (300 meter) rated. With LED lights. The ROV-500 utilizes brushless DC flooded thrusters. Outland designed a control system around these thrusters to maximize the power, giving the ROV-500 a high thrust to weight ratio. Tilting Camera forward is 1080p High Resolution. Standard system ships with 330 ft (up to 1000 ft cable max).



OBS



ROV-1000

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



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OUTLAND TECHNOLOGY

WWW.OUTLANDTECH.COM | Sales | sales@outlandtech.com



ROV-3000

Introducing Outland Technology's latest innovation: the ROV-3000, a cutting-edge remotely operated vehicle engineered for unrivaled performance. Designed with both user-friendliness and durability in mind, its capabilities boast a depth rating of 2,000 feet (600 meters) along with automatic depth, heading, and pitch adjustments, all facilitated by hassle-free maintenance.

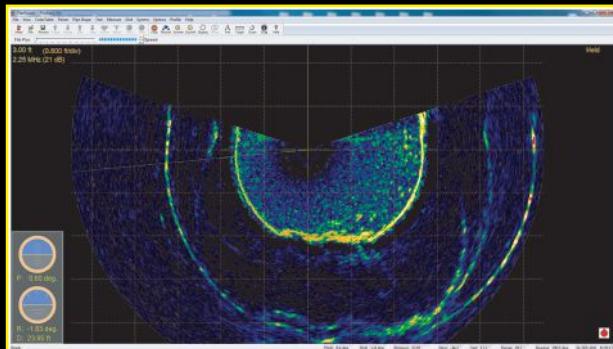


OBS

Affordable Solutions for Pipe Inspection

R E D E F I N I N G I M A G E C L A R I T Y

The Imagenex 831A & 831L Digital Pipe Profiling Sonar



3 m range scale, showing suspended matter and bottom debris in pipe.

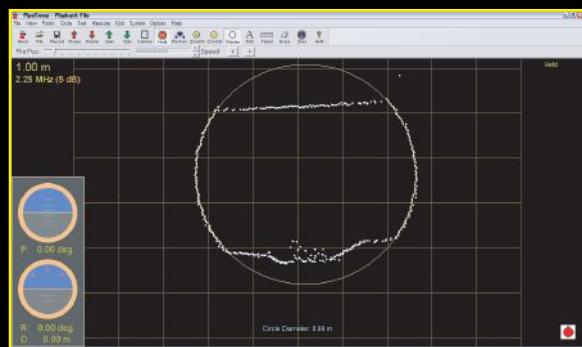
Outside ring is a multiple of the pipe.
Courtesy of AquaCoustic Remote Technologies Inc.



Model 831L



Model 831A



0.98 m diameter pipe on 1 m range scale.
Pipe is not full and shows bottom sediment

FEATURES OF THE 831A & 831L:

- Low Power
- Compact Size
- High Performance
- Programmable
- Scans 360° in 1 sec (up to 1 m range)
- RS-485 or RS-232 (831A)
- Ethernet Communications (831L)
- Communication Format Available to User

IMAGENEX TECHNOLOGY CORP.
TEL: (604) 944-8248

209-1875 Broadway Street, Port Coquitlam, BC, V3C 4Z1 Canada
FAX: (604) 944-8249
e-mail: info@imagenex.com

www.imagenex.com

Imagenex

OBSERVATION ROVs

PLIANT ENERGY SYSTEMS

WWW.PLIANTENERGY.COM

Pietro Filardo | filardo@pliantenergy.com



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QYSEA

WWW.QYSEA.COM | support@qysea.com



C-RAY ROV

Pliant Energy Systems anticipates the release of its C-Ray class vehicle for sale in 2022/3. The C-Ray ROV utilizes the company's unique, proprietary undulating drive instead of propellers. The fins undulating drive give the vehicle superior maneuverability and the ability to pass through debris-filled water or mud. C-Ray has the ability to move across solid surfaces and can make the transition from water to land and it can glide over solid ice using the same fins it uses for swimming and crawling. (Customizable)



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FIFISH E-GO

FIFISH E-GO's four essential quick release modules combine advanced technology with essential user needs across the marine industry. The E-GO's biomimetic tail fin is derived from a nature-inspired design, offering multiple functionalities. It stabilizes the drone during underwater operations, minimizing water flow disturbances. (Customizable)



OBS | SUR | VC&L



FIFISH PRO V6 PLUS

FIFISH PRO V6 PLUS is an expert in advanced underwater solutions. With a diving depth of 150 meters and the all-new integration of our innovative Q-motor stabilization system, elevate the efficiency and effectiveness of your underwater operations. (Customizable)



OBS | SUR | VC&L

QYSEA

WWW.QYSEA.COM | support@qysea.com



FIFISH PRO W6

FIFISH PRO W6 is an industrial-class ROV platform, equipped with an all-new powerful and patented Q-Motor system, a diving depth of 350 meters, powerful operating features and tools, as well as intelligent stabilization systems against strong currents. The W6 uses an innovative modular design and interface that enables seamless attachments, replacements, and removal of parts and accessories for a range of industrial underwater applications. Operate with power, precision, and efficiency. (Customizable)



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FIFISH PRO ZEN1

Large in size, all-inclusive function. Built-in 8 liter space. Can be equipped with professional waterproof cameras of different sizes, reserved butterfly interface. Support multiple attachments at the same time. (Customizable)



OBS | SUR | VC&L



FIFISH V6 EXPERT

The FIFISH V6 EXPERT comes equipped with a UHD 4K underwater camera lens, along with a 166° ultra-wide field of view, 12-megapixel resolution, 240 FPS slow-motion filming capabilities, and much more. V6 EXPERT's vision enhancement algorithms bring out the vibrancy of the underwater environment, so you can capture every detail needed in your aquatic operations and missions. (Customizable)



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SAIPEM

WWW.SAIPEM.COM/EN | media.relations@saipem.com



FLATFISH

FlatFish is an advanced underwater inspection drone, designed, industrialized and manufactured by Saipem based on a research and development cooperation agreement signed under the ANP program initially between Shell and Senai CIMATEC. FlatFish aims at inspecting and monitoring complex subsea infrastructures in an innovative and safe manner, from shallow waters down to 3,000 mwd. The drone features an advanced AI-based control system and navigation features combined with state-of-the-art inspection capabilities.



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HYDRONE-R

Hydrone-R is a drone capable of both ROV (remotely operated vehicle) and AUV (autonomous underwater vehicle) functionalities. It is designed to be remotely operated from shore (as an ROV) and it can execute autonomous inspection missions (as an AUV). The vehicle can operate subsea for more than a year up to a water depth of 3,000 m below the sea and execute light intervention tasks and autonomous inspections. Its battery system provides 12 hours of autonomy and an inspection span of more than 10 km.



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HYDRONE-W

Hydrone-W: an all-electric Work Class ROV that is designed to operate in traditional ROV mode or to remain as a subsea resident tethered to a subsea base; it is designed to be fully remote controlled from an onshore control center. The Hydrone-W may also support our subsea construction activities carrying out tasks relating to subsea construction, pre-commissioning and commissioning.



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WORK TOOLS

SEADRONE

HTTPS://SEADRONEPRO.COM



SEADRONE MINI

SeaDrone MINI is a professional ROV for non-technical users. Realize major productivity gains with a system that you can carry and deploy in minutes. Maximize your uptime with easy-to-service modular components. Dive fast using SeaDrone's Top Gun Mode and operate in 3 knots crosscurrents. The MINI's control system actively stabilizes the vehicle and allows you to capture crisp and stable footage. The perfect general ROV to operate beyond the reach of divers. (Customizable)



OBS | SUR | VC&L | A&T | NDT



SEADRONE PRO

SeaDrone PRO is a powerful end-to-end underwater inspection solution with a custom-designed vehicle, tightly integrated acoustic localization system, proprietary navigation software, and a remote streaming and automated reporting service to ensure accurate data collection and the best user experience. (Customizable)



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SEADRONE XROV

The SeaDrone XROV is the smartest and fastest mini ROV in the world. The XROV comes standard with a Jetson Xavier NX making it ideal for high-performance compute and AI. Capture accurate data of your underwater assets with 4K stereo cameras. With a 600 V tether architecture, the XROV can operate all day and perform at full power at longer tether lengths. All packed into an elegantly efficient design that is easy to ship. (Customizable)



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OBSERVATION ROVs

SEAMOR MARINE LTD.

WWW.SEAMOR.COM

Robin Li | sales@seamor.com



STEELHEAD ROV

The STEELHEAD inspection-class ROV is a portable, lightweight and stable underwater system that is easily operated through intuitive flight controls. A small profile allows this vehicle to inspect confined spaces and be easily stowed. The compact STEELHEAD is easily deployed and recovered from small vessels and docks—no need for hoists or cranes. (Customizable)



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STRATEGIC ROBOTIC SYSTEMS

WWW.SRSFUSION.COM

Nick Devine | info@srsfusion.com



FUSION-HYBRID

The FUSION-HYBRID is a multipurpose UUV with both AUV and ROV functionality. Complete with a full suite of sensors including side scan, forward looking multi-beam, HD video, DVL and USBL. The highly intuitive control system coupled with the compact footprint and ability to conduct tethered or untethered missions make the FUSION a versatile system. (Customizable)



OBS | VC&L | A&T | VSK

SUBSEA TECH

WWW.SUBSEA-TECH.COM

Gregory Maurin | gregory.maurin@subsea-tech.com



MINI-ROV GUARDIAN

The Guardian Mini-ROV is a 150 m depth rated ultra-portable underwater inspection robot equipped with 4 horizontal and 1 vertical thruster. Fitted with 2 high resolution color video cameras, one on pan&tilt, and LED lighting, it has been especially designed for long range missions (> 400 m). Thanks to an ancillary plug, various accessories such as sonars, gauges and manipulators can easily be mounted on the Guardian. (Customizable)



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SUBSEA TECH

WWW.SUBSEA-TECH.COM | Gregory Maurin | gregory.maurin@subsea-tech.com



MINI-ROV OBSERVER

Observer is fitted with 2 high resolution colour video cameras, one on pan&tilt, and LED lighting. Embedded batteries allow 4h autonomy and operation in the most remote areas down to 150 m depth. Thanks to an ancillary plug, various accessories such as sonars, gauges and manipulator can easily be mounted on the Observer.



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MINI-ROV TORTUGA

The Mini-ROV TORTUGA is a 300 m depth rated underwater inspection robot inspired from the Tortuga ROV. Built on the same principles and following similar form factor, the Mini-ROV TORTUGA is lighter and smaller than the standard Tortuga. Each one of the 4 horizontal thrusters develops a 2.5 kgf thrust and is manually adjustable to preset orientation configurations (vectored, in line, lateral). This system allows operating the ROV in strong current conditions up to 3 knots, regardless of the direction. (Customizable)



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MINI-ROV TORTUGA XP4

The Mini-ROV TORTUGA XP4 represents a groundbreaking advancement in the field of underwater inspection. Built around the HYDRO 300 system by IVM Technologies, this ultra-compact underwater robot offers submillimeter-precise 3D reconstruction capabilities, ideal for exploring artworks, offshore structures, and conducting metrology works. (Customizable)



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THYSSENKRUPP MARINE SYSTEMS

WWW.THYSSENKRUPP-MARINESYSTEMS.COM/EN
marinesystems@thyssenkrupp.com



MUM

The XLUUV is composed of almost freely configurable base and mission modules, enclosed by a hydrodynamic casing. The modules are designed as ten- or twenty-foot standard containers, making their transportation and assembly effortless. The combination of base and mission modules enables MUM to fulfill different types of missions as well as to scale its capabilities in endurance or payload capacity.

(Customizable)



OBS

VIDEORAY

WWW.VIDEORAY.COM
Sales | sales@videoray.com



MISSION SPECIALIST PRO 5

The VideoRay Mission Specialist Pro 5 configuration is designed for speed and efficiency, weighing in at 11.8 kg (26 lb). The three-thruster system has forward speed of over 4.4 knots, and utilizes a system of interchangeable, modular components residing on a single, intelligent network. The Pro 5 is designed to handle missions with size, space, weight, and deployment speed constraints, such as infrastructure inspections beyond the reach of divers, search & recovery, and exploring the ocean floor up to 305 m. The Pro 5 builds on the strengths of the now discontinued Pro 4, with more thrust, longer tether lengths, higher resolution video, and the advantages of the MSS modular systems.



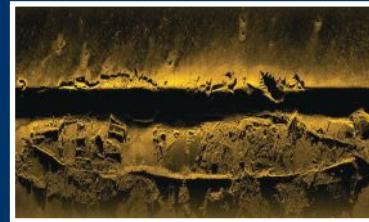
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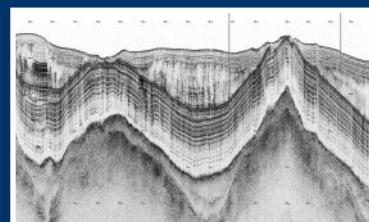
Clearly Superior Imaging

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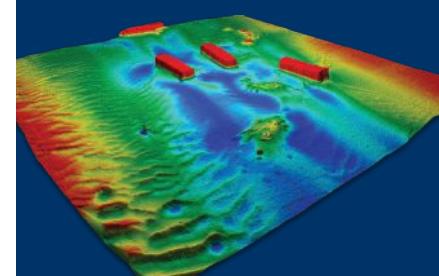
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BATHYMETRY SYSTEMS



EdgeTech.com

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NEXT GENERATION ROVs

Enabling subsea residency



Oceaneering is at the forefront of designing, testing, and manufacturing the next generation of remotely operated vehicles (ROVs) and innovative underwater robotics. Our mission is to provide sustainable, proven solutions to address critical offshore energy challenges.

DELIVERING SUBSEA RESIDENCY

In 2019, Oceaneering introduced the Liberty™ E-ROV, a battery-powered system capable of extended underwater operations without surface recovery. This pioneering technology marked the beginning of a new era for subsea resident ROVs, capable of performing the same work-class activities as surface-operated systems.

Now evolved into the Liberty™ Resident System, this vehicle-agnostic subsea docking station features a 550 kWh battery, enabling a variety of ROV and AUV operations. These include AUV surveys, inspection, maintenance, and repair (IMR), commissioning, decommissioning, and light intervention activities. The system communicates with shore-based operations centers via an integrated buoy, rig downline, or subsea infrastructure connection.

PROVEN IN-FIELD APPLICATION

In 2022, Oceaneering used the Liberty Resident System for a subsea pipeline isolation operation at a Norwegian offshore facility slated for decommissioning. This project, executed with shore-based personnel, showcased the system's ability to reduce costs,

enhance safety, and minimize carbon footprint. Leveraging robust LTE connectivity, this was the first time a resident, battery-powered, work-class ROV system was used to complete isolation activities through remote operations from shore.

This successful project demonstrated the feasibility and repeatability of remote operations, allowing globally distributed teams to manage tasks around the clock from virtual control rooms. With the increasing availability of low-latency, high-bandwidth communications, the Liberty™ Resident System is set to redefine conventional subsea work methods, paving the way for more remote operations.

To date, Liberty has proven its residency capabilities, performing 231 missions, amassing 18,048 operation hours.

FREEDOM AUV

In May 2024, TotalEnergies and Oceaneering announced the successful completion of a pipeline inspection industrial pilot using the Freedom™ AUV. This pilot demonstrated the vehicle's capabilities for sustainable pipeline inspections, covering over 120 km of subsea pipelines and 60 km of near-shore pipelines. The Freedom AUV maintained a precise flight envelope above the pipelines, using adaptive behaviors to provide comprehensive insights into subsea features, gathering high-quality data in a single pass.

In April 2024, the Freedom AUV also completed a one-week demonstration for the US Navy and Defense Innovation Unit (DIU) at Oceaneering's

subsea autonomy testing facility in Norway. This demonstration highlighted the Freedom AUV's autonomous capabilities, including undocking, docking, obstacle avoidance, precision payload placement, survey, and transit, underscoring its potential for future development as a Large Displacement Unmanned Undersea Vehicle (LDUUV).

ISURUS ROV

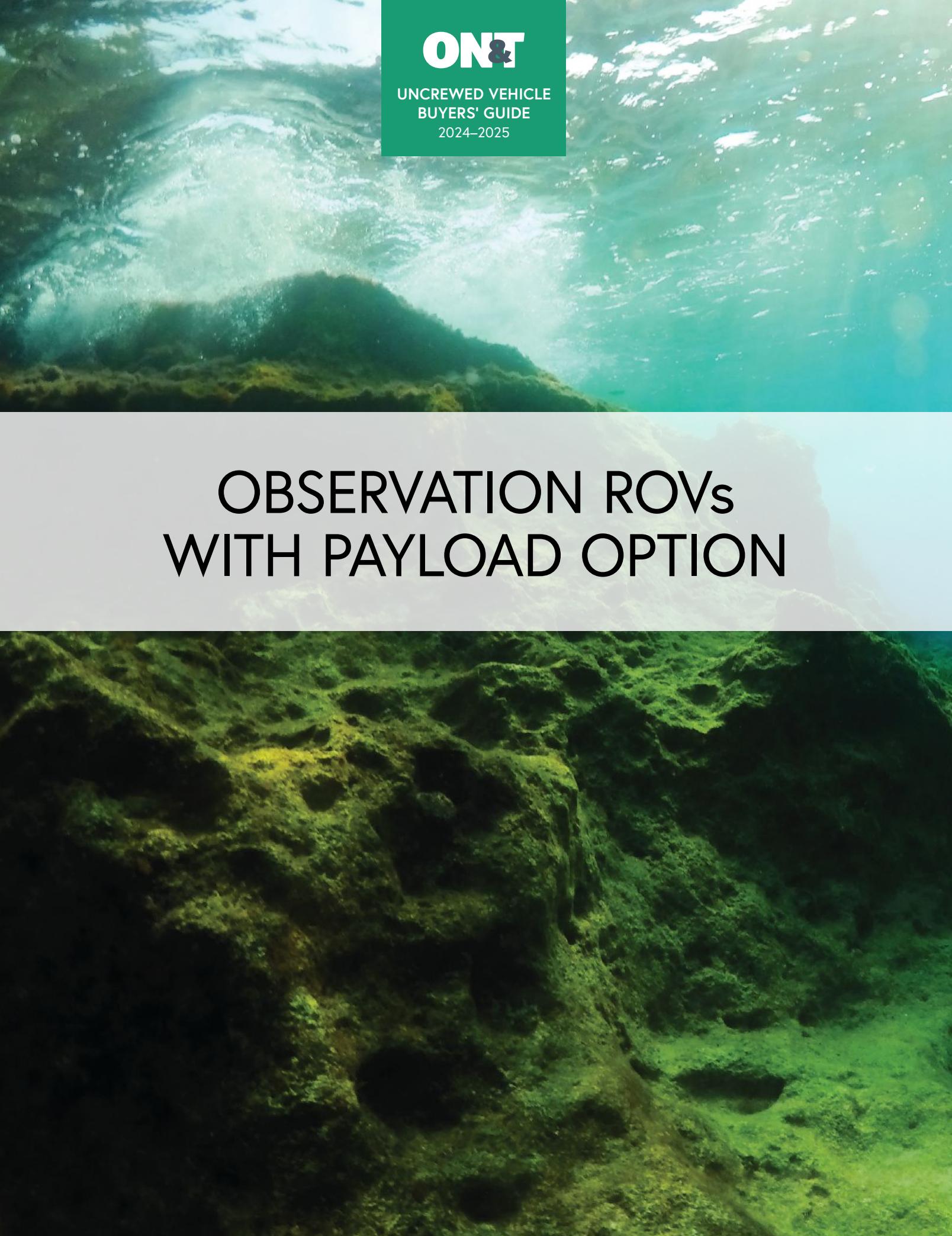
Oceaneering's Isurus™ ROV builds on the proven Magnum® Plus ROV platform. It is a fully capable 3,000 m depth rated work-class ROV designed for high-current conditions, including those prevalent at offshore wind and tidal construction sites.

Capable of speeds up to 5 knots and providing up to six additional operational hours in high-current conditions, the Isurus ROV system has become a vital tool in offshore operations, having operated in UK, Netherlands, Germany, France, Belgium, Taiwan, India, and Argentina performing both renewables and oil and gas construction activities.

Since its 2019 launch, the Isurus ROV fleet has expanded, with its ninth vehicle introduced in May 2024. Built in Morgan City, Louisiana, The Isurus ROV 9 joins the fleet with availability to work in Europe, Asia, and North America.

To date, the Isurus ROV fleet has performed more than 22,500 dive hours with 97% uptime without encountering a current exceeding its capability for station keeping.

oceanengineering.com/rov



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OBSERVATION ROVs WITH PAYLOAD OPTION

OBSERVATION ROVs WITH PAYLOAD OPTION

3D AT DEPTH

[HTTPS://3DATDEPTH.COM](https://3datdepth.com)
Sales | USASales@3datdepth.com



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ARGUS REMOTE SYSTEMS AS

WWW.ARGUS-RS.NO | Sales | sales@argus-rs.no



ARGUS ROVER

Observation class ROV that can do light work. Can be fitted with one or two manipulators for light work. (Customizable)



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ARGUS ROVER COMPACT

The Argus Rover C is an observation class ROV ideal for survey, aquaculture and inspection, available depth ratings down to 3000 msw. (Customizable)



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Sales | sales@argus-rs.no



INSPECTOR

The Inspector is a light observation class ROV ideal for survey, aquaculture and inspection, available depth ratings down to 1000 msw. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T

BLUELINK, LLC

HTTPS://BLUE-LINKED.COM | Jeff Conger | Jeff@blue-linked.com



SARBOT®

Designed specifically for First Responders, the SARbot™ (Search & Recovery Robotic System) is a highly capable and low-cost tool for searching, locating and identifying submerged targets in marine environments. Designed from a base ROV platform that has more than 3000 systems in the field, the SARbot™ has been optimized to allow the operator to work in low to zero visibility conditions, recover targets and work with an unlimited search time. (Customizable)



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SARBOT® LITE

The SARbot Lite is a battery-powered, low-cost, robotic system which is optimized for underwater search and recovery in low-visibility conditions. Designed with first responders in mind, the SARbot Lite is an easy to use tool that adds as additional layer of safety to public safety dive teams and is a considerable force-multiplier. (Customizable)



OBS | SUR | INS | VC&L | NDT | VSK | A&T

BOXFISH ROBOTICS

WWW.BOXFISH.NZ | Vera Bronza | info@boxfish.nz



BOXFISH ALPHA

A reliable and versatile best-in-class ROV for asset inspection and light intervention work at depths of up to 300 m. Customized to optimize functionality but reduce cost, Alpha delivers 4K live video, 20MP stills, 6x true 4K zoom, 3–12 hours power endurance, and is upgradeable with up to three add-ons. (Customizable)



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BOXFISH ROV

Industry-leading actively stabilized, highly-manueverable ROV for underwater research delivering 4K live video and 20MP photos from depths of up to 1,000 m with near-zero latency. This lightweight and portable vehicle is easily operated with pilot-assist features and deployable by hand with two crew. The system offers integration of up to eight sensors. (Customizable)



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CHANCE MARITIME TECHNOLOGIES

HTTPS://CHANCEMARITIME.COM

Sales | sales@chancemaritime.com



KEY



ENVIRONMENTAL



DEFENSE



OFFSHORE OIL & GAS



SCIENCE



SEABED MINING



OCEAN RENEWABLES



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INLAND PROTECTOR

The Inland Protector is a Tug-Class USV designed with a high-bollard pull for complex inland operations. Push knees on the bow enable the vessel to push a payload barge featuring all customer equipment. An optional 4 ft long extension module is also available to increase the endurance of the vessel and house customer payloads. The Inland Protector has an 80 HP inboard diesel engine. (Customizable)



OBS | SUR | VC&L

CHANCE MARITIME TECHNOLOGIES

HTTPS://CHANCEMARITIME.COM

Sales | sales@chancemaritime.com



MC-29

High-Power Long-Endurance uncrewed surface vehicle capable of over 20 days of continuous operation. The MC-29 can be outfitted with any customer payload, with onboard moon pool, climate control, 19" rack, active gyrostabilization for roll reduction, winches for towing or profiling. Situational awareness includes radar, thermal and visual cameras, Class-A AIS, sound and radio feedback. Worldwide control completely over the horizon with Starlink. (Customizable)



OBS | SUR | INS | VC&L | A&T

COPENHAGEN SUBSEA A/S

WWW.COPENHAGENSUBSEA.COM

Sales | sales@copenhagensubsea.com



GORILLA ROV

The Gorilla from Copenhagen Subsea is particularly robust and reliable in challenging subsea environments in the offshore industry. It is equipped with an intelligent state-of-the-art Dynamic Positioning (DP) system and is based on Copenhagen Subsea's successful rim-driven thruster technology and standard electronic components from OMRON, making it easy to maintain. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T | VSK

DEEP OCEAN ENGINEERING

WWW.DEEPOCEAN.COM

Sales | sales@deepecocean.com



PHANTOM® FIREFLY

Sized to penetrate through and below the top guide and core plate. Normally used for steam dryer visual exam during BWR scheduled outages. All materials are suitable for use in nuclear support. Torque balanced thrusters provide a high degree of control and maneuverability in the confined environments.

(Customizable)



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OBSERVATION ROVs WITH PAYLOAD OPTION

DEEP OCEAN ENGINEERING

WWW.DEEPOCEAN.COM | Sales | sales@deepecan.com

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PHANTOM® L6

PHANTOM® L-SERIES

The Phantom® L-Series is an inspection-class underwater remotely operated vehicle, designed for use in numerous applications across a spectrum of industries. The Phantom® L6 is designed with four vectored horizontal and two vertical Tecnadyne® thrusters, which provide significant control and propulsion in current. (Customizable)



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PHANTOM® P-150

Designed for nuclear industry with stable materials/FME concerns as a priority, two horizontal and two "Vertrans" thrusters, with additional thrusters/configurations available, no electronics in the sub unit ensures reliability in areas of high radiation, access through 20" dia. manholes and into PWR Recirc Piping. (Customizable)



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PHANTOM® S-SERIES

The Phantom® S-Series is a portable high performance ROV that combines superior power, telemetry, and payload with ease of use, ruggedness and reliability. This provides a powerful overall performance envelope and versatility compared to other vehicles of its class. The S-Series can be configured with either 6 or 8 thrusters that enable aggressive lift capabilities and significant control in harsh conditions while reaching depths up to 1,000 meters. (Customizable)



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DEEP TREKKER

WWW.DEPTREKKER.COM

Sales | sales@deeptrekker.com



REVOLUTION ROV

With swappable lithium-ion batteries, six vectored thrusters, and an enhanced 4K camera (260° FOV), it excels at control and station holding. Offering a 305 m (1,000 ft) depth rating, bright LED floodlights, up to 500 m (1,640 ft) tether, and seamless integration with add-ons and sensors, such as sonar, USBL, and DVL systems.



OBS | VC&L | A&T | VSK

DELAIR MARINE

WWW.DELAIMARINE.COM | seasam@delair.aero



SEASAM DRONE™

Seasam Drone™ is a compact underwater system capable of conducting autonomous operations as well as being a high-performance, next generation ROV. In autonomous mode, the drone is able to locate and track specific targets and perform complex operations such as hull inspections, leaks detections and more. Using proprietary sonar and vision technologies, Seasam Drone can avoid obstacles automatically, perform wall servoing and remain stable in any position. (Customizable)



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SEASAM HULLSCAN

Based on the award-winning technology platform of Seasam Autonomous Drone, the new Seasam HullScan™ redefines ROV practices for ship hull inspection for operators, and empowers surveyors & maintenance professionals worldwide. Our engineers have designed a new form factor for our underwater drone, allowing a 300% increase in lateral speed. Therefore, you can now face your subject and glide laterally easily in up to 2 knots current. (Customizable)



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EXPANDING AUTONOMY AT SEA



DRIX O-16, A NEW TRANSOCEANIC USV

A unique combination of speed, endurance,
and payload capabilities.

- 30+ days endurance
- Full ocean depth payload sensors
- Dual hybrid propulsion
- ROV, ROTV launch & recovery
- Redundant architecture

exail

OBSERVATION ROVs WITH PAYLOAD OPTION

DELAIR MARINE

WWW.DELAIRMARINE.COM
seasam@delair.aero



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SEASAM NAVIGATOR

Seasam Navigator embarks a long-range WiFi transmitter, and enables a low-latency, remote control of the Seasam ROV. Wireless means there is no tethered connection between operator and ROV, which reduces risk of entanglements, and extends the reach of inspections. (Customizable)



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WORK TOOLS

EXAIL

WWW.EXAIL.COM | Antony Penn | sales.robots@exail.com



H300V

Observation Class ROV with 4 horizontal vectored thrusters for inspection missions in very harsh environments, up to 300 m depth. Modular design and easy configuration thanks to a wide range of cameras, sonars, manipulator arms, tools, and any type of sensors that can be installed on a "payload skid." (Customizable)



OBS | VC&L | A&T | VSK



H800

Observation Class ROV and light duty work system for subsea observation, inspection and surveillance in strong currents, up to 1,000 m depth. Modular design and easy configuration thanks to a wide range of cameras, sonars, manipulator arms, tools, and any type of sensors that can be installed on a "payload skid." (Customizable)



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FORSSEA ROBOTICS

HTTPS://FORSSEA-ROBOTICS.FR | Gautier Dreyfus | gdreyfus@forssea-robotics.fr



R7

The Exail's R7 is an ROV which combines the compactness and ease of deployment of mini-ROVs with the performance, speed and payload carrying capacity of larger Observation Class ROVs. Fast, modular and easy to deploy, the R7 is designed for oceanographers, hydrographers, fish farmers and operators of submerged structures for all their underwater missions up to a depth of 300 m. (Customizable)



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ARGOS-X

Forssea Robotics is pleased to introduce its ROV specifically developed for USV integration and shallow water deployments. ROV has been optimized for offshore wind O&M applications with ability to conduct faster surveys in the water column up to +2.5 knts current. The ARGOS-X ROV will be equipped with Forssea full autonomy software suite and compatible with Starlink real-time remote supervision through any web browser. (Customizable)



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FORSSEA ROBOTICS

HTTPS://FORSSEA-ROBOTICS.FR
Gautier Dreyfus | gdreyfus@forssea-robotics.fr



ATOLL

ATOLL (patented system) is an Observation Class ROV deployable from a light vessel. The system can perform a fully autonomous approach and docking based on embedded control algorithms. Once the link is obtained to the seabed target, ATOLL can either transfer power & data, or mechanically engage the target for recovery back to surface and valve manipulation. ATOLL comes with dedicated LARS system or can be adapted to any LARS or crane system. (Customizable)



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FORUM SUBSEA TECHNOLOGIES

WWW.F-E-T.COM
Sales | Subsea.Sales@f-e-t.com



SUPER MOHAWK

Super Mohawk is a robust, durable and long proven ROV system designed for high payload, with plenty open deck space and skid mounted options.



OBS

FORUM SUBSEA TECHNOLOGIES

WWW.F-E-T.COM | Sales | Subsea.Sales@f-e-t.com



COMANCHE

Comanche is the logical choice when seeking the ultimate 'all around' electric ROV. Offering a generous auxiliary hydraulic package for work class manipulation and tooling combined with an advanced and powerful control and diagnostics package for survey and other data collection missions, the Comanche offers high performance, high reliability and high adaptability.



OBS



MOHICAN

Mohican was specifically developed to cope with the fast moving and unpredictable turbid waters of the southern North Sea. The 'dynamic vector' feature enables the operator to adjust thruster angles on the fly for agile maneuvering and the 3,000v 400Hz power system is particularly suited to long tether excursions and deep liveboating operations.



OBS | INS

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FUGRO

WWW.FUGRO.COM | Sales | www.fugro.com/contacts



FUGRO BLUE VOLTA (EROV)

The world's most advanced remotely operated vehicle (ROV), with deployment from an uncrewed surface vessel (USV), and equipped with the latest in electronic hardware, software and artificial intelligence (AI). While retaining the capability to be operated conventionally from an ROV survey vessel, barge, platform or rig, the Blue Volta is also the world's first ROV designed to be remotely controlled from Fugro's global network of ROCs as an over-the-horizon ROV without needing a parent vessel or ROV pilot nearby.



OBS



FUGRO VAQUITA

The Fugro Vaquita, developed in partnership with SEA-KIT, is the second of Fugro's Blue Essence® USV fleet to operate in European waters. The Fugro Vaquita has earned Category 0 approval from the UK Maritime Coastguard Agency (MCA), the highest level of approval for autonomous vessels. It is now the largest USV to operate fully remotely, with unrestricted access, to support marine projects further offshore while enhancing safety and environmental performance.

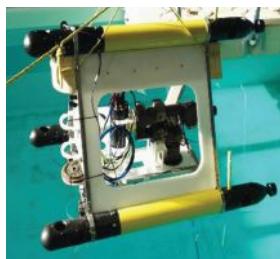


OBS

OBSERVATION ROVs WITH PAYLOAD OPTION

GRAAL TECH

WWW.GRAALTECH.COM



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R-300

R-300 is the ROBUST vehicle of the X-300 family, designed for carrying bulky and heavy payloads. It is constituted by three short X-300 AUVs which are attached to a triangular aluminum frame supporting the installation of many different equipment of interest. A connection module mounted at the bow of each X-300 provides a common power and data link among the three composing AUVs and enables their effective motion coordination. As a result, R-300 is an extremely agile vehicle with high maneuverability, that can operate either as a standard AUV, or as an ROV thanks to the available fiber-optic tether.



OBS | SUR | INS

L3HARRIS

WWW.L3HARRIS.COM | Giuseppe Ranieli | Calzoni.Sales@L3Harris.com



AGEOTEC ROV LYRA

The ROV Lyra features an exceptional payload capacity and an amazing weight-to-power ratio for an observer class remotely operated vehicle. Reaching up to 300 msw depth, Lyra features a modular chassis manufactured in non-corroding high impact resistant polypropylene. (Customizable)



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KYSTDESIGN

WWW.KYSTDESIGN.NO

Sales | post@kystdesign.no



SURVEY ROV

KYSTDESIGN has over the past years developed two specialized ROVs for survey purposes. The Surveyor Interceptor was developed for a joint venture between Reach Subsea and MMT. The Superior was developed for DeepOcean. Both ROVs are developed with focus on high speed and high capability for carrying survey sensors.



OBS | SUR | INS

L3HARRIS

WWW.L3HARRIS.COM

Giuseppe Ranieli | Calzoni.Sales@L3Harris.com



AGEOTEC ROV ANTARES

L3Harris' AGEOTEC ROV Antares features as many as two HD cameras. It is equipped with as many as four 4K lumen LED lights and supports up to 14 Kg payload. The vehicle can reach 400 msw depth and it's operated using a portable control unit, contained in a trolley suitcase. (Customizable)



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AGEOTEC ROV PEGASO

Representing the ideal light-work class solution. The Pegaso reaches 2,000 msw depth and is capable of 150 kg payload. Its dedicated skid—suitable for any kind of survey equipment—can be accessorized with a 7 function manipulator. Pegaso is perfect for inspecting, monitoring, surveying, target detecting and construction supporting. (Customizable)



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AGEOTEC ROV PERSEO

Perseo represents the perfect multitasking solution. With as many as 25 kg payload and as many as three real-time cameras, the vehicle is equipped with an inertial measurement unit providing high accuracy heading position. It can reach a 600 msw depth and can be customized using a wide range of accessories. (Customizable)



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A HYBRID ROV LIKE NO OTHER

Maui Gen 2 redefines ocean exploration

POSEIDON ROBOTICS

What do you get when you mix an Inspection Class size ROV with a Work Class design? The revolutionary Maui Gen 2 from Poseidon Robotics—a hybrid like no other. Combining the compact size of an Inspection Class model with the robust capabilities of a Work Class design, the Maui Gen 2 redefines underwater exploration. Inspired by working offshore for many years with Work Class ROVs, Founder and Director of Engineering, Peter Schubert, says: "Innovation in niche fields like Subsea is about keeping a sharp eye on bigger spaces (like EVs) and "hybridizing" multiple technologies. It's about utilizing the best available tech."

PIONEERING DESIGN PHILOSOPHY

At Poseidon Robotics, we prioritize equipment compatibility. Our design philosophy centers on optimizing ROV performance around the tools and their capabilities. Not the other way around. With 6kW of power, the Maui Gen 2 accommodates accessories typically reserved for larger ROVs. Imagine piloting a smaller ROV equipped with top-tier technology: the TSS 660 Pipe Tracker, NORBIT WINGHEAD B41 Multibeam Sonar, and Sprint Nav Mini INS—all with payload capacity to spare. With this new technology, costs are lowered with fewer crew and smaller boats.

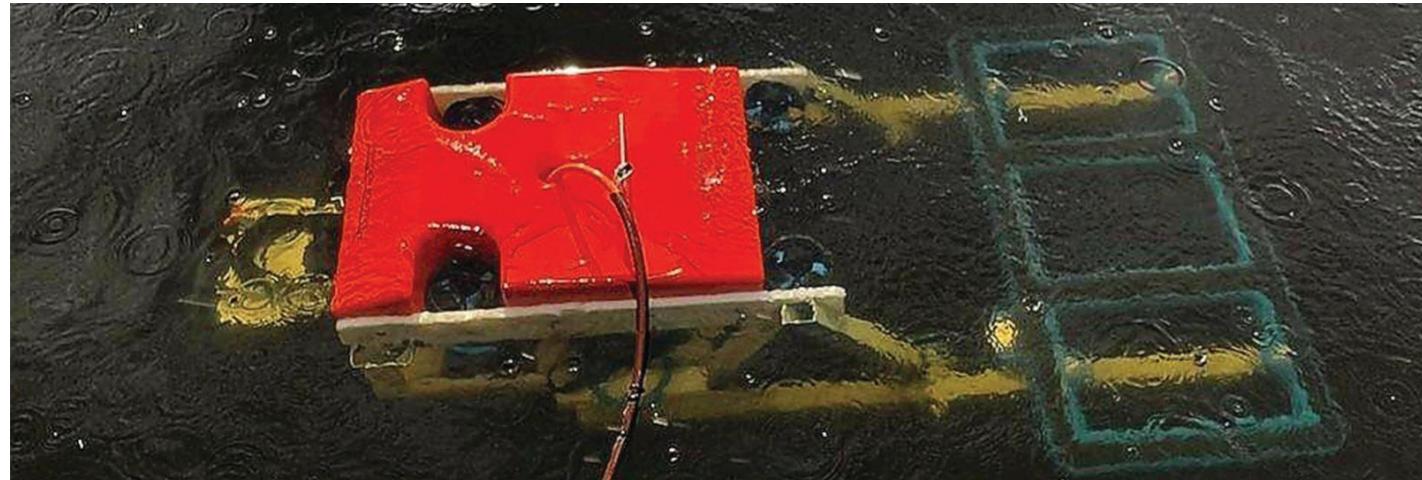
LEADING SOFTWARE

We've integrated cutting-edge software to bring you the steadiest ROV with 6-Degree-of-Freedom. Whether navigating pitch, roll, or yaw, our fully stabilized ROV ensures precise data collection from any angle. New to the Maui Gen 2 is standard compatibility with Lolaark Vision's Clarifier software—an AI breakthrough enhancing visibility in challenging underwater conditions. This advancement ensures unmatched clarity and precision, as visible in the side-by-side comparison above with conventional ROV footage.

EXPANDING ROV PORTFOLIO

Explore Poseidon Robotics' versatile lineup of ROVs outside of our Maui Gen 2. Our range begins with the Lanai, ideal for precision inspections and SAR missions. Step up to the Lanai Pro for enhanced power and stability, complete with Mission Robotics flight software for superior performance. For advanced capabilities, the Lanai X boasts a taller frame, accommodating more equipment while maintaining exceptional flight stability. Discover the power of big-league technology in a compact package. Reserve your free trial today and experience seamless integration for your NORBIT WINGHEAD and Sprint Nav Mini needs with the Maui Gen 2.

poseidonrov.com



OBSERVATION ROVs WITH PAYLOAD OPTION

L3HARRIS

WWW.L3HARRIS.COM | Giuseppe Ranieli | Calzoni.Sales@L3Harris.com

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AGEOTEC ROV PERSEO GTV

The Perseo GTV is a multi-purpose class ROV capable of amazing performances. Reaching a 1,500 msw depth, the vehicle supports up to 40 kg payload and is equipped with multiple HD real-time cameras. Perseo GTV can be customized using many accessories, including sonar and multi-beam echosounder. (Customizable)



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AGEOTEC ROV PERSEO PLUS

L3Harris' AGEOTEC remotely operated vehicle Perseo Plus leverages more than two decades of experience in coastal and offshore surveying and construction, representing an ideal junction between power and agility. Reaching a 1500 msw depth, the vehicle supports up to 40 kg payload and is equipped with multiple HD real-time cameras. (Customizable)



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MARINE IMAGING TECHNOLOGIES

HTTPS://MARINEIMAGINGTECH.COM

David Ullman | david@marineimagingtech.com



SEA ROVER

Sea Rover is a multi-purpose, Survey class ROV with adaptability at the core of its design. While its standard configuration of dual pilot cameras, dual LED lighting arrays and three axis thrusting is intentionally simple, the system's design encourages the addition and control of a wide range of instruments (i.e., sonars, sensors, manipulators, cameras). (Customizable)



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MARINER MRM 230 ROV

The MARINER MRM 230 ROV is one of the latest additions in our range of products for underwater use. It can operate to a depth of up to 250 meters and has been designed so as to be used for professional inspection and survey works in offshore waters. Orientated to ease of use and meticulousness, MRM serves as a powerful tool to the professional operator.



OBS | INS

MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE | Niklas Becker | n.becker@mariscope.de



CHAMELEON

The Chameleon is a pure scientific ROV specially developed taking into account the applications and needs of the scientific community. Completely modular in structure and equipment, the Chameleon is configured with the client according to the tasks and scientific research missions that need to be carried out. Lifetime warranty. (Customizable)



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DIAVOLO III

The next evolution of the FO III adding a lateral thruster to improve the side-wards movement, with the same 24/7 work capabilities. Its open frame construction allows an easy adaptation of accessories and allows an easy maintenance. Diavolo III can be adapted following the customer's requirements. Lifetime warranty. (Customizable)



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MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE

Niklas Becker | n.becker@mariscope.de



FO III

Manufactured in stainless steel, manually TIG-welded, equipped with powerful thrusters, designed for 24/7 use, easy to maintain, robust and stable. Full HD/4K cameras and high output LED-lights. With its open frame, can be equipped with additional accessories like electric manipulators, lasers, sonars and tracking devices. Wireless steering console. Lifetime warranty. (Customizable)



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OCEANBOTICS INC.

WWW.OCEANBOTICS.COM | Sales | wprice@oceanbotics.com



SRV-8

The SRV-8 underwater ROV redefines ease of use and maneuverability. Enjoy rapid deployment in under 3 minutes, making it the top choice for professionals who demand precision and speed beneath the water. Enjoy industry-leading battery power (lasting up to 8 hours) and complete customization. (Customizable)



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OCEAN MODULES

WWW.OCEAN-MODULES.COM | Sales | sales@ocean-modules.com



V8 L3000

For customers who require an inspection class ROV that dives deeper and carries a greater payload Ocean Modules offers the V8 L3000. The V8 L3000 uses the same control system as the M500 and therefore has same maneuverability and stability. The V8 L3000 has a maximum diving depth of 3000 meters and numerous electrical and data interfaces.



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V8 M500

The V8 M500 is a small and nimble inspection class ROV with the unique capability to maneuver with six degrees of freedom. The small size and significant power of the V8 M500 make it ideal for use in a wide range of tasks, and the capability to rotate 360 degrees in any dimension without losing stability is tremendously advantageous for sonar and video inspections as it allows the profile of sea floor, ship hull or subsea structure to be followed regardless of angle.



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SRV-8X OPTIMUS

The SRV-8X Optimus is our larger underwater ROV engineered for demanding offshore missions. With its increased payload capacity and extended depth range, the SRV-8X combines power with ease of use. Tailor the ROV to your specific needs and deploy in under 3 minutes. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T | VSK CD | WT



SRV-8X OPTIMUS ATS

The SRV-8X Optimus ATS is an exceptional ROV, engineered to detect pingers and transponders that are used to identify precise underwater locations. The SRV-8X Optimus ATS is also capable of discreetly identifying sonar transponders without revealing their positions, rendering it a highly valuable resource for operations that require absolute confidentiality. Its state-of-the-art technology significantly enhances sonar detection, empowering professionals in defense and search and rescue sectors. (Customizable)



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OBSERVATION ROVs WITH PAYLOAD OPTION

OCEANEERING

WWW.OCEANEERING.COM



GLOBAL EXPLORER ROV

The Global Explorer ROV offers a complete suite of scientific tools for mid-water and benthic sampling, including: detritus sampler, rotary suction sampler, jet pump, push cores/quivers, and an insulated bio box. The Schilling ORION seven function spatially correspondent manipulator arm extracts fragile coral and artifacts with delicate precision.



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ACOUSTIC
& TRACKING
- CD**
CLEANING
DEVICES
- VSK**
VEHICLE STATION
KEEPING
- WT**
WORK TOOLS

OUTLAND TECHNOLOGY

WWW.OUTLANDTECH.COM | Jeffrey Mayfield | jeff@outlandtech.com



ROV-2000

"OUTLAND 2000". 1,000 ft (300 meter) rated. Now with LED lights. The ROV utilizes brushless DC, magnetically coupled thrusters. Outland designed a control system around these thrusters to maximize the power. Tilting Camera forward give High Resolution and low light Color in one small package. A rear fixed camera is standard. The ROV can now use a 1,000 ft cable. Standard system ships with 500 ft.



OBS | SUR | INS

ROV-2500

"OUTLAND 2500". 1,000 ft (300 meter) rated. Now with LED lights. The ROV utilizes brushless DC, magnetically coupled thrusters. Outland designed a control system around these thrusters to maximize the power. Tilting Camera forward give High Resolution and low light Color in one small package. A rear fixed camera is standard. The ROV can now use a 1,000 ft cable. Standard system ships with 500 ft. (Customizable)



OBS | SUR | INS

PELAGIC RESEARCH SERVICES

[HTTPS://PELAGIC-SERVICES.COM/WEB2/](https://PELAGIC-SERVICES.COM/WEB2/)
info@pelagic-services.com



ODYSSEUS 6K

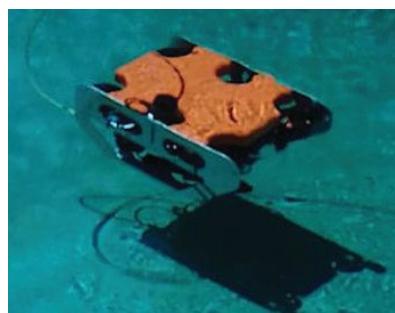
Odysseus 6K is an easily transportable, extremely capable and highly affordable deep-sea ROV that integrates into ships of opportunity and is available on a global basis. The Odysseus 6K is the perfect choice for supporting the installation and maintenance of ocean observation systems; executing time-critical search, rescue and recovery operations; surveying and performing work tasks; conducting video and still image transects; biological and geological sampling; film operations, or exploration. (Customizable)



OBS | INS | SUR | VC&L

POSEIDON ROBOTICS, LLC

WWW.POSEIDONROV.COM | Christine Schubert | christine@poseidonrov.com



LANAI

We have combined decades of ROV operation experience with modern manufacturing techniques to produce a remotely operated vehicle that is both capable and affordable. Standard options are: 125 m tether/reel (up to 400 m), console and controller, Newton grabber, waterproof transport cases, spare parts/tools. Fully vectored eight thrusters makes this ROV stable and fast. (Customizable)

LANAI PRO

Everything You Need, and MORE POWER. With all the Options of the Lanai, the Pro is Designed to handle Higher Currents and provides an Extra Video Input, 2 kW of Power, and a 22" HD Monitor integrated into the Console. (Customizable)



OBS | SUR

INS | OBS | SUR

DIGITAL VIDEO RECORDING & INSPECTION SYSTEMS

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Standard definition, high definition or 4K digital video recording
Various video formats 720p, 1080p and 2160p
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Suite of applications to aid editing and eventing
Remote task based workpack generation
Serial communication inputs for logging and overlay display (i.e. GPS, Telemetry, CP) UDP input supported
Configurable survey hot keys
Local network video streaming



NEW EDGEDVR MODELS NOW AVAILABLE



EdgeDVR IP - specifically for IP cameras in a compact 2U rack-mounted form factor



EdgeDVR - now available as a smaller 3U rack-mounted unit with the same capabilities as a 4U unit

Developed for use by personnel with all levels of experience when completing subsea visual inspections, which require real-time event logging.

Digital Edge Subsea is a world leader in offshore digital video recording (DVR) and inspection systems.

We develop and manufacture DVR products for use throughout the offshore oil and gas industry including diving, remote operated vehicle (ROV) and topside operations.

Our EdgeDVR is currently used worldwide by most of the major ROV and diving contractors.

The EdgeDVR is an essential part of any ROV system and can be integrated into both work-class and eyeball ROV systems, it's simple to use and full of very useful features. There are currently over 900 units in the field with a truly established proven history of reliability.

The EdgeDVR is available as a 3U and 4U rack-mounted unit offering greater input and output possibilities, or as a 2U rack-mounted unit specifically for local network IP camera recording.

Whether you prioritise maximum performance, maximum portability, or something in between, we have EdgeDVR systems to suit you.



DIVING • WORKCLASS & INSPECTION ROV • PLATFORM & PIPELINE INSPECTIONS • CONSTRUCTION & DECOMMISSIONING

DIGITAL EDGE SUBSEA
digitaledgesubsea.com



OBSERVATION ROVs WITH PAYLOAD OPTION

POSEIDON ROBOTICS, LLC

WWW.POSEIDONROV.COM

Christine Schubert | christine@poseidonrov.com

KEY



ENVIRONMENTAL



DEFENSE



OFFSHORE
OIL & GAS



SCIENCE



SEABED MINING



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LANAI X

Building on the Lanai Pro ROV, this system has room for more equipment. It is designed to fit the SubSLAM X2 camera from Vaarst, in addition to carrying an Oculus sonar and DVL. A fully stabilized 6-degrees of freedom flight computer from Mission Robotics means that the vehicle can be pointed in any direction, even while holding depth and steering. (Customizable)



CON | INS | INT | OBS | SUR | A&T | NDT
CD | VC&L | WT

POSEIDON ROBOTICS, LLC

WWW.POSEIDONROV.COM | Christine Schubert | christine@poseidonrov.com



MAUI GEN 2

The Poseidon Robotics Maui Gen 2 is a blend of Work Class ROV design in an Inspection Class size. It seamlessly flies a TSS 660 (pipe tracker), a Norbit Winghead B41 (Multi Beam Sonar), and a Sprint Nav Mini INS with payload to spare. The 6kW power system is paired with 8 fully vectored thrusters to maneuver the ROV in any direction; pitch, roll, or yaw, maintaining a specific flight attitude to view objects being surveyed. (Customizable)



OBS | SUR

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WORK TOOLS

SAAB SEAEDGE

WWW.Saabseaeye.com

James Douglas | solutions@sabseaeye.com



SEAEDGE FALCON

The Falcon is the most successful underwater electric robotic system of its class and is proven in numerous intricate and demanding missions across many commercial, security and scientific sectors. The Falcon is lightweight, sized just one meter long and is rated to a depth of 300 m or 1,000 m. (Customizable)



OBS | INS | SUR | VC&L | A&T | NDT

SAAB SEAEDGE

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James Douglas | solutions@sabseaeye.com



SEAEDGE FALCON-DR

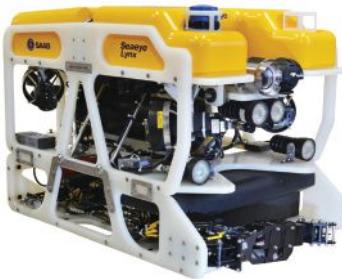
The Falcon concept is the most successful underwater electric robotic system of its class and is proven in numerous intricate and demanding missions across many commercial, security and scientific sectors. The Falcon-DR is lightweight, sized just over one meter long and is rated to a depth of 1,000 m. (Customizable)



OBS | INS | SUR | VC&L | A&T | NDT

SAAB SEAEDGE

WWW.SAABSEAEDGE.COM | James Douglas | solutions@saabseaeye.com



SEAEDGE LYNX

The Lynx is a leading observation and inspection vehicle for missions in water depths of up to 1,500 m. It is fitted with two vertical and four horizontal thrusters making it a very stable platform with exceptional maneuverability. A wide range of tools and sensors are available as well as interchangeable tooling skids. (Customizable)



OBS | INS | SUR | VC&L | A&T | NDT



SEAEDGE TIGER

The Seaeye Tiger is regarded as the leading observation and inspection vehicle within the oil and gas industry. The Seaeye Tiger is also increasingly chosen for work in the defense and marine science industries because of its deepwater capabilities. This ROV is a very stable platform, with excellent maneuverability and performance in strong currents. (Customizable)



OBS | INS | SUR | VC&L | A&T | NDT

SEAMOR MARINE LTD.

WWW.SEAMOR.COM

Sales | sales@seamor.com



SEAMOR CHINOOK ROV

The Chinook is an industrial grade inspection ROV with a wide range of capabilities. The Chinook offers a stable platform yet remains compact and can be rapidly deployed with ease by two people. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T | VSK

SEAMOR MARINE LTD.

WWW.SEAMOR.COM | Sales | sales@seamor.com



SEAMOR MAKO

With a large open frame design and versatile mounting options, this vehicle can carry a variety of accessories and has the power capacity to run them all at once. The Mako's payload (14 kg standard, upgradable to 22.5 kg) allows users to install heavy instrumentation, including multi-beam imaging sonars. Users can easily mount and position accessories without any special tools. The ample space in the accessory bay also improves flow-through, which ensures maximum thruster efficiency, making it easy to fly the Mako no matter the payload.



OBS | SUR | INS



SEAMOR STEELHEAD

The Steelhead inspection-class ROV is a portable, lightweight and stable underwater system that is easily operated through intuitive flight controls. Its small profile allows this vehicle to inspect confined spaces and be easily stowed. The compact Steelhead is easily deployed and recovered from small vessels and docks—no need for hoists or cranes. A standard definition NTSC/PAL camera, optimized for lowlight conditions provides the ROV operator with quality video. "Out of the box" features include an integrated controller and LCD monitor module with auto depth, auto heading, a digital video recorder and much more. (Customizable)



OBS | SUR | INS

SEATRONICS

WWW.SEATRONICS-GROUP.COM

Jamie Neilson | jamie.neilson@seatronics-group.com



VALOR

The VALOR is one of the lightest yet most powerful Observation ROVs available. 300 m depth rated, however the unique design allows the vehicle to be extended up to 1,000 m. The VALOR's versatility is limitless given the significant payload, unrivalled power capability and available bandwidth allowing the ROV to manage complex tooling and sensor packages. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T | VSK

KEY



TASKS

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INS	INSPECTION
CON	CONSTRUCTION
INT	INTERVENTION
B&T	BURIAL & TRENCHING

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NDT	NON-DESTRUCTIVE TESTING
A&T	ACOUSTIC & TRACKING
CD	CLEANING DEVICES
VSK	VEHICLE STATION KEEPING
WT	WORK TOOLS

OBSERVATION ROVs WITH PAYLOAD OPTION

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- OFFSHORE OIL & GAS
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- OCEAN RENEWABLES
- WEBSITE

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- CD**
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VEHICLE STATION
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- WT**
WORK TOOLS

BARRACUDA

Designed for speed and power, the Barracuda is very capable in high current applications. Constructed using high-tech plastics, anodized aluminum and syntactic foam, it is small and maneuverable. It is also large enough to support the easy addition of mission specific accessories (e.g. sonar and video systems). All accessories fit inside the frame to avoid entanglement issues. The built in Total Navigation System, and DiveLog software, give the it full geodetic positioning and autonomous capabilities.



OBS

SUBMERSIBLE SYSTEMS INC.

WWW.SSIROVS.COM
Wolfgang Burnside | office@ssirovs.com



TRV-M

A versatile vehicle often undertaking work class 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 1000 m or to the optional 3000 m depth rating.



OBS

SUBMERSIBLE SYSTEMS INC.

WWW.SSIROVS.COM
Wolfgang Burnside | office@ssirovs.com



SEA-WOLF 5

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



OBS

TRV-005

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.



OBS

TELEDYNE SEABOTIX

WWW.TELEDYNEMARINE.COM
SeaBotix_Inquiries@teledyne.com



VLBV300

The SeaBotix vLBV® represents an evolution in small, capable, vectored Mini ROV systems. Four powerful 100 mm (4 in) horizontal thrusters, arranged in a vectored format, offer nearly equal horizontal thrust in all 360-degrees of flight. (Customizable)



OBS | INS | VC&L | A&T | NDT | VSK

SUBSEA TECH

WWW.SUBSEA-TECH.COM
Grégoire Maurin | gregory.maurin@subsea-tech.com



TORTUGA

Tortuga has 4 horizontal thrusters (4x20 kgf) fitted with a unique azimuthal control system allowing operations in currents up to 4 knots, regardless of the direction. With an unrivaled 1:8 thrust to weight ratio and a fully integrated acoustic imaging solution, Tortuga is the ultimate vehicle for underwater inspections in harsh operational conditions. (Customizable)



OBS | SUR | INS | VC&L | A&T | VSK | NDT

TELEDYNE SEABOTIX

WWW.TELEDYNEMARINE.COM | Seabotix_Inquiries@teledyne.com



vLBV300 II

The Teledyne SeaBotix vLBV300 II is a mini vectored ROV capable of lateral motion with its vectored thruster configuration. Two vertical thrusters along with four powerful 100 mm (4 in) horizontal thrusters, arranged in a vectored format, offer nearly equal horizontal thrust in all 360-degrees of flight. Eight thruster configurations also available for additional vertical lift capability. The vLBV carries a video camera and light mounted on a pan & tilt axis and offers several ports and mounting locations to support a diverse set of third-party sensors. (Customizable)



OBS | INS | VC&L | A&T | NDT | VSK



vLBV950

The SeaBotix vLBV® represents an evolution in small, capable, vectored MiniROV systems. Four powerful 100 mm (4 in) horizontal thrusters, arranged in a vectored format, offer nearly equal horizontal thrust in all 360-degrees of flight. Standard features include a high resolution color camera, powerful LED lighting, depth, heading and temperature sensors, auto-depth, auto-heading and thruster trim, low-drag neutrally buoyant tether, and fully Integrated Control Console (ICC) with daylight-readable monitor. (Customizable)



OBS | INS | VC&L | A&T | NDT | VSK

TEXTRON SYSTEMS

WWW.TEXTRONSYSTEMS.COM



KEY

- ENVIRONMENTAL
- DEFENSE
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COMMON UNMANNED SURFACE VEHICLE (CUSV)

Textron Systems' CUSV system continues to feature the maritime version of our proven, common command-and-control system—a trusted system that has successfully supported unmanned aircraft during more than one million flight hours. Whether in a mine sweeping and neutralization role; intelligence, surveillance and reconnaissance (ISR); harbor security; monitoring or protection, our fourth-generation CUSV is a mature, multi-mission and multi-payload capable vehicle with significant in-water experience. (Customizable)



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TOOLS

- VC&L**
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NDT

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TRANSFORM YOUR CAPABILITY

REAL-TIME IMAGING
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Oculus Multibeam Imaging Sonars

High resolution imaging in turbid water for improved situational awareness and target identification. Available in 375kHz to 3.0MHz. Depth rated to 500m, 1000m, or 4000m.

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OBSERVATION ROVs WITH PAYLOAD OPTION

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KEY



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CUSTOM MISSION SPECIALIST

The modularity of VideoRay's Mission Specialist technology enables easy maintenance, fast repairs, simple upgrades, and seamless integration across configurations. Each configuration consists of several modules developed by VideoRay or our tool and sensor specialist partners so you know that you're receiving the highest quality parts made exactly for your system. (Customizable)



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VIDEORAY

WWW.VIDEORAY.COM | Sales | sales@videoray.com



MISSION SPECIALIST ALLY

This powerful new entry-level underwater robot is your go-to solution for challenging applications that require a cost-effective approach. Boasting impressive speed and agility, Ally offers unmatched capabilities in a compact design. The expandable design allows the vehicle to grow with your needs, and is fully compatible with VideoRay's full line of Mission Specialist topsides and vehicles, allowing for fast and easy field swaps and seamless fleet expansion. (Customizable)



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VIDEORAY

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MISSION SPECIALIST DEFENDER

The Mission Specialist Defender configuration is designed for more precise control of the vehicle position and orientation, heavier payloads, and demanding intervention, such as rendering unexploded ordinance safe or cleaning nets for offshore fish farms. With seven thrusters, the Defender is able to move in any direction, and maintain active pitch to face the vehicle in an upward or downward orientation. The addition of third party control and navigation software from Greensea Systems or SeeByte makes the Defender a popular configuration for dangerous or heavy-duty missions. (Customizable)



OBS | SUR | INS | VC&L | NDT | A&T | VSK

UNCREWED VEHICLE SOLUTIONS

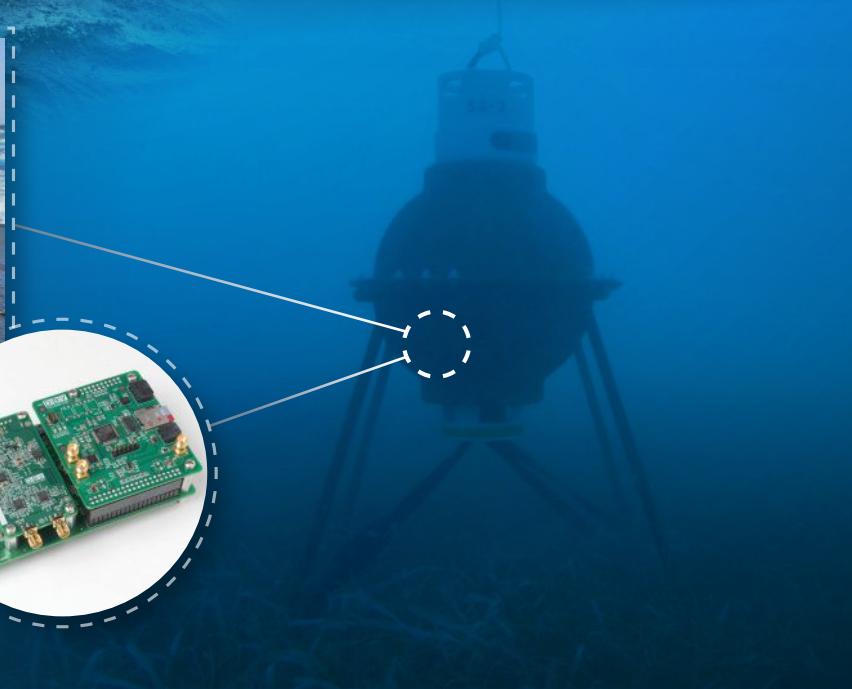
ACOUSTIC POSITIONING, COMMUNICATION & MEASUREMENT



Our flexible hardware suite allows for rapid vehicle integration and low SWaP-C custom projects.



Multi-function deep ocean platform with built in acoustic recovery allows for custom payloads to provide geodetic positioning, time synchronized recording, and positioning of subsea assets.



Acoustic Data Acquisition and Analysis • Custom Electronic Design • Recovery Systems
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DBV Technology, LLC designs and manufactures custom ocean instrumentation, specializing in deep sea acoustic communication, measurement, and positioning. DBV has extensive experience with VITROVEX pressure housings and is a regional distributor for Nautilus GmbH.

To learn more, visit dbvtechnology.com

REIMAGINING HOW UNDERWATER TASKS ARE PERFORMED

Mission Specialist Underwater Robots



For over two decades, VideoRay has been at the forefront of underwater robotic technology, delivering cutting-edge underwater robots that cater to diverse industries, including defense, infrastructure, offshore and marine research. Established in 1999, VideoRay has consistently pushed the boundaries of underwater inspection and light intervention.

So far, 2024 has been busy for VideoRay, with two new product announcements, coupled with news of a major US Navy program of record contract.

US NAVY'S MESR PROGRAM

In May, VideoRay was awarded a \$92.6 million five-year indefinite-delivery/indefinite-

quantity (IDIQ) contract for the continuous production, sustainment, and development of the MK20 Defender remotely operated vehicle (ROV) platform for the US Navy's Maritime Expeditionary Standoff Response (MESR).

This contract provides the US Navy with access to VideoRay's Mission Specialist family of underwater robotics systems to support the Explosive Ordnance Disposal Underwater Response Vehicle program and the MESR program of record. The contract provides for the delivery and support of the Navy's next-generation ROVs that will be used to conduct critical undersea missions to support our warfighters.

This is one of a series of major government contracts highlighting the trust and confidence that the US Navy has placed in VideoRay based on the company's unwavering dedication, technical advances and expanding expertise.

EXPANDING CAPABILITIES

As the organization rises to meet the Navy's evolving needs, the company's capabilities and experience will continue to grow at a rapid pace to serve both defense and commercial customers worldwide. As a result, customers can expect to see:

- Improved perception and autonomy
- New payloads
- Increased manipulation capability, including autonomous coupled manipulation
- Augmented and virtual reality (VR) and virtual workspaces, and much more!

LATEST MISSION SPECIALIST VEHICLE

In March, VideoRay also unveiled the Mission Specialist Ally, the latest addition to the company's distinguished lineup of underwater robots. Ally is designed to meet the demand for an affordable, yet highly robust entry-level solution for underwater inspection and intervention.

The new Ally shares common components with all other Mission Specialist top side units, vehicles, tethers, and modules, for complete product line compatibility. Ally delivers an inroad for customers to experience VideoRay's



leading-edge Mission Specialist technology at a price point that meets more stringent budgets—and allows for expansion as budget and needs progress.

4K ULTRA SMART CAMERA

In March, VideoRay also introduced its groundbreaking 4K Ultra Smart Camera technology, setting a new standard in underwater imaging. This new camera is designed to integrate seamlessly with VideoRay's ROVs, enhancing their capabilities and offering users a comprehensive underwater exploration solution.

The camera utilizes the latest NVIDIA processor, enabling auto detect, AI and ML framework, and image enhancement algorithms. It supports high-resolution and low-light and offers multi-view and 360-degree architecture upgradability.

FUTURE VISION

Last year, VideoRay acquired Blue Ring Imaging, which has evolved into VideoRay Labs. This group brings new talent and technology that helps guide the vision for what's possible, particularly with regards to the human machine interface. In addition to the acquisition, VideoRay has grown extensively in the past year, nearly doubling its staff, with a heavy emphasis on new engineering, robotics, and software talent, setting the pace for the company's ambitious roadmap.

videoray.com

ON&T

UNCREWED VEHICLE
BUYERS' GUIDE
2024–2025

WORK CLASS VEHICLES

WORK CLASS VEHICLES

AKVA GROUP | SPERRE ROV TECHNOLOGY

WWW.AKVAGROUP.COM/SPERRE | post.sperre@akvagroup.com

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FLYING NET CLEANER 8

Remote operated net cleaner easy to operate, auto functions thruster propulsion (no damages from wheels, belts or nozzle minimal waste).



INT | VC&L



SUB-FIGHTER 10K

The SUB-fighter 10K is a powerful ROV and a "work horse." We have delivered more than 40 systems of this type of ROV that are being used for all kinds of work and inspection down to 3,000 meters.



SUR | INS | CON | INT | VC&L



SUB-FIGHTER 15K

The offshore version of SUB-fighter 15K is an ROV with vectorized horizontal thrusters tailor designed for use with subsea installations together with TMS.



CON | INT | VC&L | A&T



SUB-FIGHTER 30K

SUB-fighter 30K is our most powerful ROV. The system has been delivered to Hydro and NTNU, amongst others.



SUR | INS | CON | INT



SUB-FIGHTER 60K

With its reliable and well proven design, the SUB-FIGHTER 60K is an ROV designed for tough conditions.



SUR | INS | CON | INT



SUB-FIGHTER 3000

ROV designed for tough conditions. Reliable and well proven design. Quick and easy mobilization. Very good stability. Plenty of power.



SUR | INS | CON | INT



SUB-FIGHTER 5500

The SUB-fighter 5500 has been produced for Norwegian environments. This is an ROV with a lot of options at a low cost.



SUR | INS | CON | INT

ARGUS REMOTE SYSTEMS AS

WWW.ARGUS-RS.NO | Sales | sales@argus-rs.no



ARGUS WORKER

Heavy Work class ROV for deepwater. Can be fitted with 2 x 7 function manipulators and has a separate HPU for Manipulator and tooling. (Customizable)



SUR | INS | CON | INT



ARGUS WORKER XL

The Argus Worker XL, the powerful and flexible work class ROV. The Argus Worker XL is a powerful electric WROV. Ideal for drill support, survey and IMR (inspection, maintenance and repair). (Customizable)



SUR | INS | CON | INT



MARINER

The Argus Mariner is a light Work Class ROV ideal for aquaculture, inspection, and light IMR. Available depth ratings down to 4000 msw. (Customizable)



SUR | INS | CON | INT

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MARINER COMPACT

The Argus Mariner Compact is a light Work class ROV ideal for survey, aquaculture and inspection. Available depth ratings down to 4000 msw. (Customizable)



SUR | INS | CON | INT



WORKER COMPACT

The Argus Worker Compact is a work class ROV ideal for survey, IMR, light construction and salvage. It offers available depth ratings down to 4000 msw. (Customizable)



SUR | INS | CON | INT



WORKER ULTRA-COMPACT

The Argus Worker Ultra-Compact is a work class ROV ideal for survey, IMR, light construction and salvage. Available depth ratings down to 4000 msw. (Customizable)



SUR | INS | CON | INT

CENTURION SUBSEA SERVICES

HTTPS://CENTURIONSUBSEASERVICES.COM | info@centurionsubseaservices.com



AUXROV

The latest system was built as a 300HP system for power Mass Flow Excavations Systems in deep water. The AUXROV system has a SWL of 20 t and has been load tested to 3G. New applications for the system are still being identified but so far, we have operated Mass Flow Excavation Systems, Hydraulic Tine Grabs, Hydraulic Clam Shell Grabs, shear cutters, rock bag deployment, and to operate a vast range of survey sensors. (Customizable)



SUR | INS | CON | INT | VC&L | A&T | CD WT | NDT | VSK

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MULTIROV

The MultiROV was designed to offer the operator a flexible solution to subsea remote operations and can be configured to meet changing and demanding operational requirements. MultiROV is simple to operate with an advanced control system and 4K video wall display together with class-leading performance, reliability and ease of maintenance. (Customizable)



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DEEPOCEAN ENGINEERING

[WWW.DEEPOCEAN.COM](http://www.deepocean.com)
Sales | sales@deepocean.com



PHANTOM X-SERIES

The Phantom® X-Series is an electric, light work-class, vehicle that packs a robust design for deep sea maneuverability and power. Configured with six vectored horizontal and two vertical Tecnadyne brushless thrusters, the Phantom® X8 has complete control and authority in any given direction, even in the toughest currents.



SUR | INS | CON | INT

DOER MARINE

[WWW.DOERMARINE.COM](http://www.doermarine.com)
info@doermarine.com



H2000

DOER's H2000 is a ultra compact work class ROV. Designed for multi-mission use from a variety of platforms, the H2000 can be used for underwater tasks including survey, sampling, search/recovery, NDT and inspection. H2000 is rated for 2000 m standard with options for 1,000 m and 3,000 m. This versatile, powerful vehicle is designed to take advantage of changing technology to provide years of service and upgradability. (Customizable)



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VSK

DOER MARINE

[WWW.DOERMARINE.COM](http://www.doermarine.com) | info@doermarine.com



H3000

Compact work class ROVs ranging from 10–100 hp and depths from 2,000 m to 6,500 m. TMS typically used with deeper system. DOER also offers five function manipulators, hydraulic pan/tilt, valve packs, thrusters and a wide variety of sampling, cleaning and custom tools. These systems have a great degree of flexibility in design and can be customized to suit client needs.



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H6500

Compact work class ROVs ranging from 10–100 hp and depths from 2,000 m to 6,500 m. TMS typically used with deeper system. DOER also offers five function manipulators, hydraulic pan/tilt, valve packs, thrusters and a wide variety of sampling, cleaning and custom tools. These systems have a great degree of flexibility in design and can be customized to suit client needs.



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OCEAN EXPLORER

DOER's Ocean Explorer 1,000 m is a mid size electric ROV. Its open frame architecture is designed to accommodate various sensor and tools with minimal integration effort. Typical applications include survey, sampling, search/recovery, tunnel/pipeline intervention and inspection.



SUR | INS



CAPTURE YOUR POSITION, DIRECTION, AND PATH

REAL-TIME AND HISTORICAL POSITION TRACKING

Providing continuous, accurate location data and a comprehensive history of the vehicle's movements aids in precise navigation, and facilitates thorough post-mission analysis.



TRACK YOUR POSITION IN GPS-DENIED ENVIRONMENTS.

Navigate through challenging environments with precise positioning in scenarios where GPS signals are unreliable or unavailable underwater.



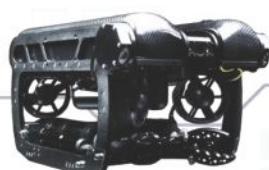
QUICK DEPLOYMENT WITHOUT CALIBRATION

By circumventing complicated calibration procedures and leveraging pre-calibrated sensor arrays, Deep Trekker accelerates operational readiness, improving user convenience without compromising navigational integrity.

Streamline setup and operation without complex calibration procedures, and eliminate the need for external sensors, simplifying your workflow with Dead Reckoning-capable ROVs. Experience precise position tracking and low-latency, automatic station keeping even in challenging environments where GPS signals are unavailable. With Dead Reckoning, know exactly where your ROV is, above and underwater.



PHOTON ROV



PIVOT ROV



REVOLUTION ROV



deeptrekker.com

WORK CLASS VEHICLES

DWTEK CO., LTD

DWTEKMARINE.COM
info@dwtek.com.tw



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WORKING CLASS MONEW

Monew is named after Taiwan's Sea Goddess, as a guard of the sea. A new generation of ROV, equipped with 8 horizontal thrusters, Monew has been tested under the strong Taiwan Strait current with proven performance to high resistance to ocean currents. It is designed with an independent motor unit with an all-electric system, which is easy to disassemble, maintain, and clean to operate in oil & gas light maintenance. (Customizable)



VC&L | A&T

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FORUM SUBSEA TECHNOLOGIES

WWW.F-E-T.COM
Sales | rov.sales@f-e-t.com



XLX-C HEAVY DUTY ROV SYSTEM

The Perry® XLX-C is a compact heavy-duty work-class hydraulic ROV, complementing the Perry® XLX 150-250 series of larger heavy-duty work-class ROVs.



EXAIL

WWW.EXAIL.COM
Antony Penn | sales.robots@exail.com



PAP MK6

PAP MK6 is a self-propelled ROV dedicated to mine warfare with a high carrying capacity (NATO Mine Disposal Charge, Cutter). A robust and reliable design with high powered propulsion enables maneuver in strong current and to withstand harsh environmental conditions. User friendly command and control software offers auto piloting functions.



FORUM SUBSEA TECHNOLOGIES

WWW.F-E-T.COM
Sales | rov.sales@f-e-t.com



XLX EVO ULTRA HEAVY DUTY ROV

The Forum Energy Technologies Perry XLX Evo ROV represents the latest evolution in the highly successful Perry XL series. The XLX Evo features significantly enhanced performance across the full range of demanding intervention and survey tasks without compromise to the outstanding reliability for which the XL series of vehicles is renowned throughout the world.



INTERNATIONAL SUBMARINE ENGINEERING LTD. (ISE)

WWW.ISE.BC.CA | Sales | info@ise.bc.ca



ISE HYSUB

The ISE HYSUB ROV is a fully customizable work class ROV which is optimized for your operational profile. Select your payloads, depth, power, and frame size to receive your customized HYSUB in as little as 6 months! Every HYSUB is designed to last for decades in harsh conditions and is easy to modify and upgrade when new technology becomes available. The HYSUB is available from 25-250 hp in depth ratings to 6,000 m. (Customizable)



ISE TRAILBLAZER

The ISE Trailblazer is a tethered, high speed, remotely operated vehicle. It is capable of operating to depths of up to 1,500 meters in tidal currents, while carrying out a variety of military, scientific, industrial, or mine countermeasure missions. The system has executed trials under operational conditions and has proven its effectiveness in the location, identification, and disposal of underwater objects.



CON | INT | B&T | OBS | SUR | INS | VC&L
A&T | CD | WT | NDT

KYSTDESIGN AS

WWW.KYSTDESIGN.NO | Åge Holsbrekken | post@kystdesign.no



CONSTRUCTOR

This is a general purpose hydraulic work class ROV. The system is characterized by a compact and integrated mechanical architecture, powerful and accessible hydraulic functions and a user friendly real time control system. The CONSTRUCTOR can be delivered with depth rating down to 6,000 m. It is uniquely designed for carrying and operating large tools and modules. (Customizable)



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STEALTH CLEANER

Stealth Cleaner is a full 6 Degrees of Freedom vehicle that can move swiftly and under full control in any direction, which makes it to the most efficient cleaner ROV in the fish farming industry.



INT



SUPPORTER

SUPPORTER is a general purpose hydraulic work class ROV. The system is characterized by a compact and integrated mechanical architecture, powerful and accessible hydraulic functions and a user friendly real-time control system. The system can be delivered with depth rating down to 6,000 m. (Customizable)



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MARINER UNDERWATER ELECTRONICS

WWW.MARINER.GR

Marinos Pittas | marghe@otenet.gr



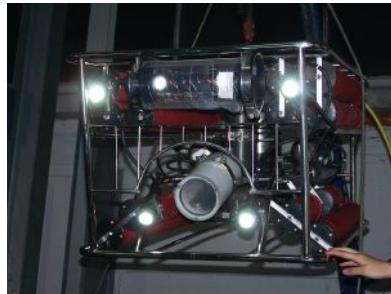
IPPODAMUS

The MARINER IPPODAMUS ROV is one of the latest additions in our range of products for underwater use. It can operate to a depth of up to 750 meters and has been designed so as to be used for professional inspection and survey works in offshore waters. It can carry sensors as well as small manipulators making our vehicle a very useful tool in the hands of experienced and professional operators. (Customizable)



MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE | Niklas Becker | n.becker@mariscope.de



COMMANDER MK II

The smallest of these vehicles equipped with 5 thrusters of 300/600 Watt of power each. Depth rated to 500 m it can be equipped with a variety of oceanographic sensors, cameras, lights, manipulators and others in order to customize the vehicle according to the individual task and use. Lifetime warranty. (Customizable)



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COMMANDER MK III

With six thrusters of 300/600 Watt each, disposed in a vectorized manner. 1,000 meters operational depth. Its newly developed hydrodynamic design and completely enhanced construction increases the ROVs efficiency. Can carry out all kind of tasks, with special emphasis on searches, rescues, scientific studies and inspections. Lifetime warranty. (Customizable)



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WT WORK TOOLS

WORK CLASS VEHICLES

MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE

Niklas Becker | n.becker@mariscope.de



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WORK TOOLS

NUYTCO RESEARCH

HTTPS://NUYTCO.COM

nrl@nuytco.com



OCEANEERING INTERNATIONAL, INC.

WWW.OCEANEERING.COM



FLUNDER

With six thrusters of 400 Watt each, disposed in a vectorized manner. 500/1,000 meters operational depth. Hydrodynamic design and completely enhanced construction with power, speed and maneuverability. Can carry out all kind of tasks under the most adverse situations. Lifetime warranty. (Customizable)



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NEWTROV

The NewtROV is an electric work class ROV that has been designed to replace the traditional hydraulic concept. Electric propulsion converts power into thrust far more efficiently than an electric/hydraulic powertrain; it also reduces weight and cost, and improves reliability. Risk of oil leakage is also greatly reduced.



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ENOVUS ROV

The compact work class eNovus ROV is the newest addition to our fleet and is powered by an environmentally conscious, 150-kVA electric (235-hp hydraulic equivalent) propulsion system. This vehicle maintains work class manipulator capabilities via a dedicated hydraulic circuit. (Customizable)



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OCEANEERING INTERNATIONAL, INC.

WWW.OCEANEERING.COM



ISURUS™ ROV

The Isurus™ ROV builds on the success of the Magnum® Plus by combining experience, reliability, and full work class capabilities with best-in-class performance in high-current environments. The Isurus™ ROV enables activities in severe current conditions and is ideal for renewables and high-speed ROV surveys.



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OCEANEERING INTERNATIONAL, INC.

WWW.OCEANEERING.COM



LIBERTY™

The Liberty™ Resident System is a self-contained docking station with 550 kwh battery power, enabling work class, remote/resident operations for ROVs and AUVs. It communicates with shore-based operations centers via an integrated buoy, rig downline, or subsea infrastructure connection. It is well-suited for inspection, maintenance, and repair (IMR), commissioning, and intervention activities. (Customizable)



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ENHANCING UNCREWED ASSETS

Acoustic systems and custom electronics

DBV Technology is a small veteran owned business founded in 2008 to develop custom ocean instrumentation for military, academic, and commercial applications.

Laser focused on reducing time from the whiteboard to water, our instruments are primarily underwater acoustic systems for Recording, Navigation, Positioning, and Command, Control, and Communications (C3).

DBV Technology systems can be used on any uncrewed vehicles, whether designed for Surface, Very Shallow Water, or Full Ocean Depth operations.

MISSION CONFIGURABLE

Our acoustic systems employ AADCAPSTM (Advanced Acoustic Digital Communication And Position Signaling) to create a programmable and highly configurable system to support virtually any requirement.

AADCAPSTM was developed to deliver capability that fills the gaps present in traditional Navigation/Positioning and C3 systems. One example is the ability to provide high accuracy, high rate Navigation/Positioning and C3 for AUV swarms in the deep ocean operating in close proximity to the seabed.

VERTICALLY INTEGRATED SOLUTION

The company is vertically integrated to produce acoustic systems encompassing all aspects of design, build, test, deployment and operational use. We provide data as a service utilizing our own acoustic transducers, electronics, housings, firmware and software. As such, our systems can be stand alone or integrated into customer uncrewed assets.

In addition to our own systems, DBV Technology has served as a trusted partner and resource to other UxV manufacturers and operators converting their prototype breadboards into manufacturable PCBA's. Additional engineering support is included as well as other custom

payload modules. We have produced over 100 different PCBA designs for our own use as well as that of others and are experts at design in the limited SWaP-C environment imposed by UxVs and underwater applications.

DBV's AADCAPS technology was leveraged to form a new company (Ropeless Systems Inc.) to focus on the unique requirements of the commercial lobster and crab trap/pot fisheries to replace the buoys and vertical lines with an acoustic product that solves all of the issues created by their removal.

Expertise in Systems and Components:

- Transducers & Arrays
- Transponders
- Transceivers
- Recorders
- Pingers and Beacons
- Low SWaP-C electronic design

Specific Instruments:

- DOSAR (Deep Ocean Synchronized Acoustic Recorder)
- SWSAR (Shallow Water Synchronized Acoustic Recorder)
- TDOG (Temporary Deep Ocean Geodetic Sensor)
- CDOG (Continuous Deep Ocean Geodetic Sensor)
- PUG (Portable Underwater GPS)
- SPG (Synchronized Pinger Generator)

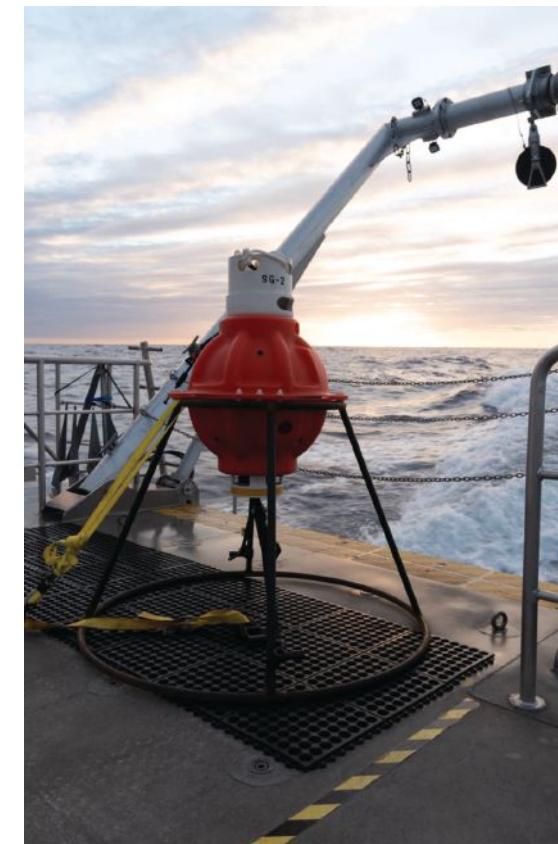
Application Areas:

- Underwater GPS
- Recorders for Passive Acoustic Monitoring
- Traditional and Inverted LBL
- USBL
- Seafloor Geodesy
- ROV and UUV Nav/Pos/C3
- Swarm Tracking

dbvtechnology.com



>This USV carries our acoustic payload for deep sea navigation/positioning and command control of UUV's and seafloor instruments. (Credit: DBV)



One of DBV's Multi-Function Deep Ocean Sensors. (Credit: DBV)

WORK CLASS VEHICLES

OCEANERING INTERNATIONAL, INC.

WWW.OCEANERING.COM

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MAGNUM® PLUS ROV

The powerful Magnum Plus ROV delivers enhanced flight control in a smaller package. Reliable and easily maintained, it provides a 170-hp, high-thrust, tophat- or cage-deployed system designed for subsea intervention and deepwater tooling. (Customizable)



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MILLENNIUM® PLUS ROV

This powerful ROV features a dual-manipulator, 220-hp work class system with an enhanced thruster configuration that increases lift capacity by more than 50% compared with the standard Millennium ROV system. (Customizable)



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NEXXUS ROV

Our high-power, heavy work class ROV system meets the API Standard 53 requirements for BOP intervention. With heavily increased tooling capabilities, the NEXXUS ROV is designed to meet next-generation intervention requirements. (Customizable)



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TRENCHING

ROVOTICS

WWW.ROVOTICS.AE | Tamer El Essawy | sales@rovotics.ae



SHARK G1R ROV

The SHARK G1R ROV features a very high-power-to-size ratio, with over 53 kg of bollard pull while fielding a 10 kg payload. (Customizable)



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SHARK G2R ROV

The Shark G2R ROV features a high-power-to-size ratio, with over 80 kg of bollard pull while fielding a 35 kg payload. With a strong aluminum and polypropylene construction, it is rated for operation at up to 500 m, with an optional upgrade extending this to 1,000 m. The ROV is powered by six high-reliability SPE-75 thrusters. (Customizable)



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SHARK G3R ROV

The Shark G3R ROV features a high-power-to-size ratio, with 130 kg of bollard pull while fielding a 100 kg payload. With a strong aluminum and polypropylene construction, it is rated for operation at up to 500 m, with a series of optional upgrades extending this to 1,000 m, 2,000 m or 3,000 m. The ROV is powered by six high-reliability SPE-250 thrusters. (Customizable)



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ROVOTICS

WWW.ROVOTICS.AE
Tamer EL Essawy | sales@rovotics.ae



SHARK G4R ROV

The Shark G4R is Rovotics' largest and most versatile ROV, providing 244 kg of bollard pull while fielding a 280 kg payload. This light-work-class ROV is rated for operation at up to 500 m, with a series of optional upgrades extending this to 1,000 m, 2,000 m or 3,000 m. The Shark G4R can be equipped with a 7-function and a 5-function manipulator. (Customizable)



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SAAB SEAEDGE

WWW.SaabSeaeYE.COM | James Douglas | solutions@sabseaeYE.com



SEAEDGE COUGAR-XT COMPACT

The Cougar XT Compact, is the shallow water version of the Cougar XT. An extremely powerful vehicle, it is ideal for inspection applications where strong tidal currents are experienced. The smaller chassis significantly reduces drag which, in combination with a high-performance thruster arrangement and a small diameter tether, offers unrivalled performance for its size. (Customizable)



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SEAEDGE COUGAR-XTI

The Cougar XTi is 3,000 m rated and features Saab Seaeye's iCON™ intelligence control system. The proven capabilities of the Cougar XT combined with the use of iCON™ and a high frequency, high voltage, power supply system make the Cougar XTi a formidable 3,000 m observation vehicle with significant work capabilities. (Customizable)



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Your Eyes and Ears Under the Sea

As the experts in the field for nearly 80 years and counting, we work with you to understand the mission and deliver solutions that outperform the alternatives. We're more than a sensor provider, we're an acoustics partner.

Capabilities Include:

Side-Scan SONAR • Multi-Beam SONAR • Obstacle Avoidance • Echo-Sounders
And More!

Challenge your perception of what's possible!

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WORK CLASS VEHICLES

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SEAEDGE EWROV

The latest addition to Saab Seaeye's underwater portfolio, the eWROV is a full-sized Class III B ROV system. Electrification is the key to improved performance, and the eWROV takes electric underwater vehicle capabilities to the next level. (Customizable)



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SEAEDGE LEOPARD

The Leopard is an exceptionally powerful compact electric work class vehicle with a minimal 20 ft x 8 ft LARS footprint. It is fitted with up to 11 thrusters to provide a forward thrust of over 500 kgf, has a 200 kg payload and is controlled by Saab Seaeye's iCON™ intelligent control system. (Customizable)



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SEAEDGE PANTHER-XT PLUS

The high current shallow water survey and light work vehicle, the Panther XT Plus is a 1,000 m depth rated vehicle fitted with ten 500 Volt DC thrusters, providing it with exceptional handling and speeds of up to four knots. It is ideal for tasks that include drill support, pipeline survey, IRM and salvage. (Customizable)



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VSK VEHICLE STATION KEEPING

WT WORK TOOLS

SEATOOLS

WWW.SEATOOLS.COM | Sales | sales@seatoools.com



ROCKPIPER - FALL PIPE ROV

Significant operational efficiency gains thanks to revolutionary integrated survey ROV technology. Our client Boskalis approached Seatoools with a proposition to integrate a survey ROV into their main fall pipe ROV in order to eliminate the need for separate post-process surveys. The result is a highly automated fall pipe ROV that integrates a survey ROV. The survey ROV features full DP functionalities, and can dock and undock fully automatically so as to facilitate direct post-process surveys that yield major cost savings. (Customizable)



SUR | INS | CON | INT



ROHP II - INSPECTION ROV

The ROHP II, developed on behalf of Rijkswaterstaat, is a multipurpose inspection ROV designed for inspection, sampling, survey, and light intervention tasks in waters with strong currents and poor visibility, such as the North Sea. Because the ROV should be able to perform a wide variety of tasks, Seatoools developed two different modes: the hanging mode and the free-flying mode. As this was never done before, the project posed a significant challenge to our engineers. (Customizable)



SUR | INS



ROV 7 - FALL PIPE ROV

A state-of-the-art fall pipe ROV that achieves extremely reliable rock installation operations. The ROV 7 fall pipe ROV, which was built for Van Oord, integrates all of Seatoools' knowledge and capabilities in the field of fall pipe ROVs, and represents the state of the art in the field of ROV engineering. The conceptual design process recognized ROV reliability and availability as key requirements. Seatoools performed an FMEA study, and designed an ROV architecture that facilitates very high levels of system reliability. (Customizable)



SUR | INS | CON | INT

POWERED BY EIVA NAVISUITE

Voyis VSLAM

Empowering Survey Visualization with Real-Time 3D Modeling



- ✓ Enabling Autonomy
- ✓ Complete Survey Data QC
- ✓ Situational Awareness
- ✓ Expedited Data Delivery
- ✓ Inspection Decision Making



WORK CLASS VEHICLES

SMD

WWW.SMD.CO.UK | John Mccann | john.mccann@smd.sg

KEY



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ATOM

Atom is an ultra-compact work class ROV comparable in size to a large electric ROV. The vehicle is suitable for renewable applications, drill support, survey and light construction duties and can be mobilized on vessels and rigs with limited deck space. Atom's high power to size ratio makes it an effective performer in high currents. (Customizable)



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QUANTUM

Quantum has class leading payload, thrust and tooling power figures. It is designed primarily for heavy construction and salvage work but can also be used as an effective survey platform. Space within Quantum's frame for mounting tools and instruments is exceptional. This flexibility means better in-water performance and current holding capabilities when measured against rivals that need to use a skid. (Customizable)



SUR | INS | CON | INT | VC&L | A&T | WT



QUANTUM EV

Quantum EV is a large electric Work Class ROV that is suitable for heavy-duty construction, IRM, salvage and science work. Built on SMD's new EV architecture, it offers exceptional levels of performance and is particularly suited to high current applications or applications where a lot of power is needed for tools or heavy lifting. Quantum EV also consumes less energy and reduces the risk of an oil spill when compared to hydraulic WVROV systems. (Customizable)



SUR | INS | CON | INT | VC&L | A&T | WT



QUASAR

The Quasar is the medium size vehicle in SMD's Q Series work class ROV range. Utilizing 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. (Customizable)



SUBMERSIBLE SYSTEMS INC.

WWW.SSIROVS.COM

Wolfgang Burnside | wolfgang@ssirovs.com



TRV-HD

The TRV-HD Extreme is a serious, compact work class 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.



TECHNIPFMC SCHILLING ROBOTICS

WWW.TECHNIPFMC.COM | Hamish Stewart (Eastern Hemisphere)

Karen Matherne (Western Hemisphere) | schilling.sales@technipfmc.com



SCHILLING ROBOTICS HD ROV

The 150hp HD ROV offers class-leading performance, reliability and productivity due to its intuitive design. The HD is an optimum choice for Installation, Maintenance and Repair (IMR), drill support, construction, ocean research, salvage and military scopes. Standard features include flight automation, HD ethernet video, sub-60 minute maintenance and onboard diagnostics to aid productivity of the vehicle, pilot, task and operations. (Customizable)



CON | INT | VC&L | A&T | CD | WT | VSK



SCHILLING ROBOTICS UHD-III ROV

The 250hp UHD-III ROV is the ultimate heavy construction vehicle to perform subsea tasks. It features a configurable auxiliary hydraulic systems capable of delivering dual fluids (up to 100 US gallons) from onboard tanks, negating the requirement for skids to support construction, drilling, salvage and Installation, Maintenance and Repair (IMR) scopes. Standard features include flight automation, HD ethernet video, sub-60 minute maintenance and onboard diagnostics to aid productivity of the vehicle, pilot, task and operations. (Customizable)



CON | INT | VC&L | A&T | CD | WT | VSK

KEY

- ENVIRONMENTAL
- DEFENSE
- OFFSHORE OIL & GAS
- SCIENCE
- SEALED MINING
- OCEAN RENEWABLES
- WEBSITE

TASKS

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- INS**
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- CON**
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- B&T**
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- NDT**
NON-DESTRUCTIVE TESTING
- A&T**
ACOUSTIC & TRACKING
- CD**
CLEANING DEVICES
- VSK**
VEHICLE STATION KEEPING
- WT**
WORK TOOLS



2020



2021

COMING DECEMBER 2024

THE FUTURE OF
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BE PART OF THE FUTURE

editor@oceannews.com



2022



2023

THE PROFESSIONAL & PORTABLE ROV

Seaeye Falcon



SAAB

The Seaeye Falcon is widely recognized as the leading underwater electric robotic system in its class. Renowned for its reliability and advanced capabilities, the Falcon has excelled in a multitude of intricate and demanding missions across various commercial, security, and scientific sectors. Its robust design and consistent upgrades have made it a preferred choice for underwater operations.

Despite its sophisticated capabilities, the Falcon remains lightweight and compact, measuring just one meter in length and weighing only 60 kilograms in air. It is rated to a depth of 300 meters, making it suitable for a wide range of underwater tasks. Its portability is a significant advantage, with a design that facilitates easy transportation and rapid deployment. The entire surface equipment setup, including the power supply unit, hand control unit, touch screen monitor, and wireless keyboard, is conveniently contained in a single flight case.

RELIABILITY WHEN YOU NEED IT MOST

The Falcon's propulsion system comprises five powerful thrusters, providing precise control and stability even in strong currents and turbulent waters. This ensures a stable platform for various operations, enhancing the reliability of the system in demanding conditions. The control interface is user-friendly, featuring touch screen and joystick controls that simplify configuration and diagnostics.

ADVANCED PAYLOAD OPTIONS

The system offers flexible data and video transmission options, with both Fiber Optic and Twisted Pair configurations available. This adaptability is further supported by optional hand power cable spools and electric winches, facilitating vehicle deployment. The Falcon is available in standard (300 meters) or deep-rated (1,000 meters) versions both equipped with standard and optional sensors and tooling such as



SD/HD Camera, INS/DVL, Multi-beam Sonar, UT/CT integrity measurement, manipulator skids, cleaning and cutting solutions; all of which further augments Falcon's capability.

POWERED TO PERFORM

In terms of specifications, the Falcon delivers impressive performance. It boasts a forward thrust of 42 kgf, a lateral thrust of 25 kgf, and a vertical thrust of 13 kgf, achieving speeds exceeding 3 knots. The system operates on a single-phase 110/230 VAC power supply, ensuring compatibility with various power sources.

Put simply, the Seaeye Falcon stands out as a reliable and advanced underwater robotic system. Its consistent upgrades and sophisticated features make it an indispensable tool for a wide range of underwater missions, providing unparalleled performance and ease of use.

saabseaeye.com



ON&T

UNCREWED VEHICLE
BUYERS' GUIDE
2024–2025

TOWED & BOTTOM CRAWLING VEHICLES

TOWED & BOTTOM CRAWLING VEHICLES

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KEY



ENVIRONMENTAL



DEFENSE



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SCIENCE



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DEVICES

VSK
VEHICLE STATION
KEEPING

WT
WORK TOOLS

REMOTELY OPERATED TOWED VEHICLES - ROTVs

Passive sleds are best suited for deeper applications, and when depth of operation is controlled by how much cable is paid in and out. Active sleds are fitted with dive wings and/or elevons that the operator can control from the ship. They are used when the applications call for frequent undulations or altitude keeping, etc. (Customizable)



DEEP TREKKER INC.

WWW.PIPETREKKER.COM

Sales | sales@deeptrekker.com



A-200 PIPE CRAWLER

A-200 is a rugged crawler designed for navigating tough terrain and large pipes (8 in+). Constructed with industrial-grade anodized aluminum and stainless steel, it can withstand harsh environments. With a 50 m depth rating, full HD 360° pan, 280° tilt, and 120x zoom camera (10x Optical/12x Digital), the A-200 excels in demanding pipe inspections. (Customizable)



CON | VC&L | A&T

CENTURION SUBSEA SERVICES

WWW.CENTURIONSUBSEASERVICES.COM

info@centurionsubseaservices.com



TRACK ROV

The TRACKROV system is designed to deploy and operate the Pangeo Sub Bottom Imaging system. It can also be equipped with large dredge pumps and a suite of survey sensors such as imaging sonars, magnetometers, cameras, lights and manipulators to perform closer inspections of potential targets during the survey. The system can be either deployed with the vessel crane or via a small independent marine crane. (Customizable)



SUR | INS | CON | INT | VC&L | A&T | CD
WT | NDT | VSK

DEEP TREKKER INC.

WWW.PIPETREKKER.COM

Sales | sales@deeptrekker.com



A-150 PIPE CRAWLER

The A-150 crawler is perfect for inspecting smaller diameter pipelines (6 to 24 in or 150–600 mm). With rugged construction of anodized aluminum and stainless steel, plus a sapphire camera lens cover, it thrives in harsh environments. Equipped with a 50 m depth rating, full HD camera (360° pan, 280° tilt), and seamless recording to NASSCO compliant PACP reports with GIS integration. (Customizable)



CON | VC&L | A&T

DEEP TREKKER INC.

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CCTV PIPE CRAWLERS

Pipeline inspections have never been easier to conduct. Say goodbye to a dedicated truck and hello to a reliable and robust system. Pilot through wet or dry pipes using the hand-held controller and don't worry about using a generator, as our pipe crawlers are completely battery operated. (Customizable)



OBS | VC&L

DT320 MINI PIPE CRAWLER

Meet the battery powered mini pipe crawler inspection system. This mini CCTV sewer inspection camera is capable of inspecting 6-inch lined pipes (152 mm) and even undersized 6-inch diameters. It is constructed with the same design as the larger DT340; rugged stainless steel aluminum body, durable sapphire glass lens cover and clear HD pan/tilt camera. (Customizable)



OBS | VC&L | A&T | VSK

DEEP TREKKER INC.

WWW.DEEPTREKKER.COM

Sales | sales@deeptrekker.com



DT640 UTILITY CRAWLER

The DT640 Utility Crawler is versatile and robust for challenging underwater and hard-to-reach areas. With rubber or magnetic wheel options and a three-wheeled design for zero turn radius, it excels in maneuverability. Equipped with attachments for pressure washing, vacuuming, thickness testing, and more, the DT640 ensures easy, safe, and cost-effective water storage tank cleaning. (Customizable)



CON | VC&L | A&T | CD

DWTEK CO., LTD

DWTEKMARINE.COM

info@dwtek.com.tw



SPECIAL USE CRAWLER

Crawler, a versatile and powerful ROV, created to work both on land and in water to fly and drive on the seabed, can be used in many scenarios with different tooling for inspection, repair operations, and so on. (Customizable)



VC&L | A&T

EDGETECH

WWW.EDGEYTECH.COM

Sales | info@edgetech.com



EDGEYTECH 2050

The EdgeTech 2050-DSS is the latest product to combine EdgeTech's highly successful line of side scan sonars and sub-bottom profilers into one fully integrated system. This is especially useful where high resolution sub-bottom profiler data, that requires the system to be towed near the seabed, is required.



KEY

	ENVIRONMENTAL
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EDGEYTECH

WWW.EDGEYTECH.COM | Sales | info@edgetech.com



EDGEYTECH 2300

This deep-water system integrates the highly successful line of side scan sonars, sub-bottom profilers and (optional) MPES bathymetry into one fully integrated 2,000 meter rated system.



CON | INT | B&T | A&T | WT



EDGEYTECH 2400

EdgeTech's 2400 Series is a fully integrated combined side scan sonar (with optional wide swath MPES bathymetry) & sub-bottom profiling system designed for deep water operation in depths up to 6,000 m. The 2400 can be completely configured by the user to best suit the applications at hand. The system comes with a dual simultaneous frequency side scan sonar with a choice of 75 kHz, 120 kHz or 410 kHz frequencies; any of which can be paired together.



CON | INT | B&T | A&T | WT



EDGEYTECH 3400

EdgeTech 3400 provides users many enhancements to current sub-bottom profiler systems. The 3400 is a wideband Frequency Modulated (FM) sub-bottom profiler utilizing EdgeTech's proprietary Full Spectrum CHIRP technology. The system generates high resolution images of the sub-bottom stratigraphy in oceans, lakes, and rivers and provides excellent penetration in various bottom types. The EdgeTech 3400 comes in a dual 2–16 kHz transducer configuration. The EdgeTech 3400 Sub-bottom Profiling System comes as a complete package and includes a towfish, cable and a topside processor running EdgeTech's DISCOVER sub-bottom acquisition & processing software.



CON | INT | B&T | A&T

TASKS

OBS	OBSERVATION
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A&T	ACOUSTIC & TRACKING
CD	CLEANING DEVICES
VSK	VEHICLE STATION KEEPING
WT	WORK TOOLS

TOWED & BOTTOM CRAWLING VEHICLES

EDGEtech

WWW.EDGEtech.COM

Sales | info@edgeTech.com



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ENVIRONMENTAL



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A&T

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CD

CLEANING DEVICES

VSK

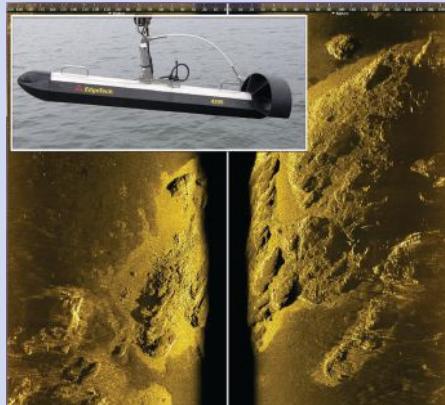
VEHICLE STATION KEEPING

WT

WORK TOOLS

EDGEtech

WWW.EDGEtech.COM | Sales | info@edgeTech.com



EDGEtech 4205

The next generation 4205 is a versatile side scan sonar system that can be configured for almost any survey application from shallow to deep water operations. The 4205 utilizes EdgeTech's Full Spectrum® CHIRP technology to provide crisp, high resolution imagery at ranges up to 50% greater than non-CHIRP systems; thus allowing customers to cover larger areas and save money spent on costly surveys. In addition to the high-resolution imagery that EdgeTech is known for, the 4205 comes with a number of new features which makes the system even more flexible and powerful in offshore operations.



CON | INT | B&T | A&T | WT



CON | INT | B&T | A&T



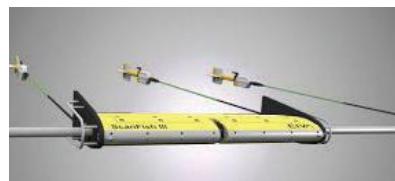
EDGEtech 6205s2

The EdgeTech 6205s2 is our 4th generation fully integrated Wide Swath Bathymetry and Dual Frequency Side Scan Sonar System that produces real-time, high resolution, side scan imagery and three-dimensional maps of the seafloor. The 6205s2 overcomes the limitations of Multi Beam Echo Sounders (MBES) and Interferometric (Phase Differencing) systems in shallow water by using EdgeTech's unique Multi-Phase Echo Sounder (MPES) technology.



EIVA A/S

WWW.EIVA.COM | EIVA Sales Department | eiva@eiva.com



SCANFISH KATRIA

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. (Customizable)



SCANFISH ROCIO

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. (Customizable)





Greensea IQ
Intelligent Ocean Solutions

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Increase accuracy and speed of data collected during surf zone surveys, while keeping people on shore, using **Bayonet AUGVs** for beach renourishment and coastal zone management.

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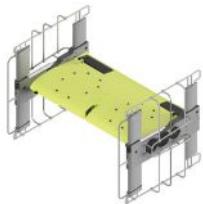
KEY

-  ENVIRONMENTAL
-  DEFENSE
-  OFFSHORE OIL & GAS
-  SCIENCE
-  SEABED MINING
-  OCEAN RENEWABLES
-  WEBSITE



SCANFISH TROPHEUS

The ScanFish Tropheus is an ROTV designed for UXO detection that eliminates data uncertainty with high-quality seabed imaging. It functions as a depressor of any side-scan sonar and is the optimum solution in terms of quality, efficiency and safety. (Customizable)



SCANFISH XL

ScanFish XL is the largest and latest addition to EIVA's family of ScanFish remotely operated towed vehicles (ROTVs). Designed to host a payload of up to 400 kg, ScanFish XL offers freedom from sensor and instrumentation limitations of a typical ROTV, enabling comprehensive multi-instrument data collection with every runline. (Customizable)



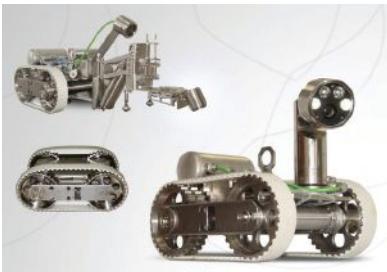
VIPERFISH

ViperFish is an all-in-one ROTV system tailored to provide high-resolution data collection in autonomous USV operations. With its high stability, 3D steering and automation, it is ideal for surveying narrow areas where a precisely steered sensor platform is needed to safely stay close to the seabed. (Customizable)



EXAIL

WWW.EXAIL.COM | Antony Penn | sales.robots@exail.com



CEP75

Multidirectional remotely operated electric crawler for operations inside pipes or pools. Watertight up to 20 m, it can transport a 75 kg payload. Its modular design allows embarking up to 3 TV cameras, and a mini electric manipulator arm.



PIPE CRUISER

Designed for inspection in any type of pipes (diameter 150 to 2,000 mm, up to 500 m length), this multidirectional modular system avoids obstacles, turns in curves, swivels and moves back to deliver real-time exceptional quality videos and measurements. Watertight up to 10 m.



ROVING BAT

Hybrid ROV and crawler, Roving Bat can swim as an ROV and, thanks to 4 vertical thrusters, it tilts, rolls and sticks well onto vertical surfaces, such as ship hulls. Then it crawls along to perform inspection, cleaning operations and NDT measurements. Roving Bat is the optimal solution for UWILD applications.



T18-M

T18-M is a battery-powered towed interferometric synthetic aperture sonar (inSAS) for Real Time Detection, Classification and Mapping (SCM) of seabed and moored mines. It is equipped with a thinner umbilical cable and a lighter equipment for easier deployment from a USV or other platform. The T18-M is specifically designed to meet all recommendations related to mine warfare operations (particularly the detection and classification phases). (Customizable)



B&T | VC&L

FORUM ENERGY TECHNOLOGIES

WWW.F-E-T.COM | Sales | rov.sales@f-e-t.com



PERRY XT300



PERRY XT500



PERRY XT600



XT1200/1500

KEY



ENVIRONMENTAL



DEFENSE



OFFSHORE
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SCIENCE



SEABED MINING



OCEAN
RENEWABLES



WEBSITE

The Perry® XT range of trencher vehicles are designed to meet the demanding trenching requirements of both strong soils and deep flowline burial protection over long stretches. Capable of operating in free-fly, skid-based trenching and survey modes, these vehicles represent extremely capable, high-performance product burial solutions. (Customizable)



B&T | VC&L | A&T | WT

GREENSEA IQ

WWW.BAYONETOCEAN.COM

Nick Hartman | sales@bayonet ocean.com



BAYONET 150

125 lb autonomous crawling robot for a range of environmental, commercial and military tasks in nearshore, estuarine and inland locations. Two person portable vehicle for non heavy weather, small boat deployment and smaller payloads. Dimensions: 33x20x10 inches. Standard Open Deck Space: 24x6 inches. Weight (with batteries): 125 lbs. Duration Dry/Wet: 22/10 miles. Deck Capacity: 350 lbs. Ground Pressure—Dry/Wet: 0.15/0.08 psi



CON | INT | B&T | VC&L | A&T | CD | WT

GREENSEA IQ

WWW.BAYONETOCEAN.COM | Nick Hartman | sales@bayonet ocean.com



BAYONET 250

Medium payload autonomous crawling robot for a range of environmental, commercial and military tasks in nearshore, estuarine and inland locations. Tool free in field assembly for two person portability and design allows heavier weather and larger payloads. Standard Dimension: 48x52x14 inches. Heavy Duty Dimension: 60x60x16 inches. Weight (with batteries): 250 lbs. Duration Dry/Wet: 24/10 miles. Deck Capacity: 850 lbs (max component 75 lbs). Drawbar Pull: 800 lbs. (Customizable)



CON | INT | B&T | VC&L | A&T | CD | WT

TASKS



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- A&T ACOUSTIC & TRACKING
- CD CLEANING DEVICES
- VSK VEHICLE STATION KEEPING
- WT WORK TOOLS

BAYONET 350

High payload, modular autonomous crawling robot performs a vast range of tasks in beach, surf or deep-water conditions. Capable of handling the harshest conditions and largest payloads. Dimensions: 5x6x1 ft (1.5x1.8x0.3 m). Weight: 600 lbs (272 kg) Modular, fits in Subaru. Weight (with batteries): 125 lbs Depth: 109 yards (100 m). Speed: 1.8 km/hr. Deck capacity—dry: 1102 lbs. (500 kg). (Customizable)



CON | INT | B&T | VC&L | A&T | CD | WT

INTERNATIONAL SUBMARINE ENGINEERING LTD. (ISE)

WWW.ISE.BC.CA | Sales | info@ise.bc.ca



J.W. FISHERS MFG.

WWW.JWFISHERS.COM
Brian Fisher | info@jwfishers.com



ISE AURORA SONAR TOWFISH

The Aurora Towfish is actively stabilized using 4 independently actuating aft planes and actuated main wing capable of generating up to 50 kN of downforce. It collects high resolution data at up to 12 knots, with faired or unfaired cables, down to depths of 200 m while navigating in either depth or terrain follow mode. The Aurora Towfish can carry full size AUV payloads including SSS, SAS, MBES, etc., shown here with Klein 5900 and R2Sonic 2024. (Customizable)



OBS | SUR | INS | VC&L | A&T

KRAKEN SONAR SYSTEMS INC.

WWW.KRAKENROBOTICS.COM | Sales | sales@krakenrobotics.com



ACOUSTIC CORER™

The Acoustic Corer™ is a subsea surveying technology that interrogates the seabed to optimize offshore installation programs. Its capabilities include buried boulder identification and support for foundation location selections and foundation engineering design. The Acoustic Corer™ fills the gap between current geophysical and geotechnical site investigation methods by providing a 3D acoustic core 14 meters in diameter penetrating up to 60 meters into the seabed.



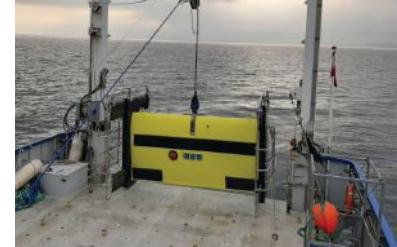
CON | A&T

KATFISH™

KATFISH™ is an intelligent towed SAS system. This product acquires over 3 billion pixels per 3 km² per hour of area coverage rate. That's 30 times more detail than conventional side scan sonar. Advanced algorithms perform thousands of adjustments per second to ensure every pixel displays data with incredible clarity. (Customizable)



CON | A&T



SEAKITE™

The SeaKite™ is Kraken Robotics' next generation SBI deployment method, utilizing a Remotely Operated Towed Vehicle (ROTV) incorporated into the SBI. The high-speed depth of burial platform that operates in water depths from 7-250 m and is 6x faster than ROV surveys by travelling at speeds up to 4 kts. Having the same benefits as the ROV mounted SBI, the SeaKite™ images both ferrous and nonferrous anomalies.



B&T

ADVANCING OFFSHORE VIDEO RECORDING

New product lineup delivers new capabilities

Digital Edge Subsea, leading supplier of digital video recorders and inspection systems to the offshore industry is pleased to present a new range of DVR options and the addition of the ROVTools product lines.

Our new 2u and 3u rack mountable EdgeDVRs are designed to work with IP camera systems, but in a smaller form factor. Our industry-leading Edge software provides the same functionality as can be found on our 4u, laptop, and workstation hardware options.

Compact in size but big on performance, the ROVTools RTK-01 includes the tools required for a wide range of subsea jobs.

Supplied as individual tools or in kit form with custom Pelicase and combining 316 stainless steel and tough corrosion resistant materials, the RTK-01 tools are prepared for tasks in the harshest conditions.

With the included ROV mounted clamp and tool post system, the modular tool heads can be changed and re-positioned within a matter of minutes.

Cutter: Efficiently and safely cuts through rope up to 25 mm thick.

CP Probe Mount: Designed for the 'Buckley' industry standard cathode protection probe, CP readings can be taken quickly and efficiently.

Marine Growth Gauge: Providing high contrast and large numerals to allow easy measurement of marine growth up to 300 mm deep, in all 3 axis.

Brush: Assembled with six industry standard replaceable wire-brushes on a bracket that can be adapted to clean in any direction.

Crook: The crook's simple design, 75 mm opening rugged construction give the ROV operator a very versatile lifting and positioning tool, while the ramped barb ensures that ropes and cables are captured easily and retained.

Hook: The forward-facing barbed Hook design is ideal for collecting, pushing, pulling or working with finely detailed objects such as netting or ropes.

Marine Growth Remover: Using an innovative locking design for quick assembly, the Marine Growth Remover holds an 880 mm braided stainless steel or nylon cable between two rods and has been designed to clean up to 26-inch diameter pipe work.

Brackets: The 90° and 45° brackets can be used in combination with any of the other kit tools to increase the mounting orientation options.

Electromagnets (24VDC): Designed to fit to the Multi Tool Adaptor of the RTK-01 Toolkit, they can also be used independently. With a 50 kg pull, these electromagnets will allow the user to hold position, when doing stationary work such as hull surveys.

DIGITAL EDGE SUBSEA



TOWED & BOTTOM CRAWLING VEHICLES

KRAKEN SONAR SYSTEMS INC.

WWW.KRAKENROBOTICS.COM

Sales | sales@krakenrobotics.com



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WORK TOOLS

SUB-BOTTOM IMAGER™

The Sub-Bottom Imager™ (SBI) uses state-of-the-art beamforming SAS arrays, providing a real-time 3D view of the sub-seabed. The SBI identifies buried objects, anomalies, geohazards, and stratigraphy, acquiring data in a continuous 3D acoustic swath, a minimum of 5 m wide (at the seabed) and penetrating to 5 m below the seabed. Applications include depth of burial, out of straightness, debris locations, unexploded ordnance, and decommissioning surveys.



CON | A&T

MACARTNEY

WWW.MACARTNEY.COM

Sales | sales@macartney.com



TRIAXUS

TRIAXUS is developed for highly efficient oceanographic data acquisition. Operational depths between 1 and 350 meters, speed up to 10 knots and at vertical velocities of up to 1 m/s. Robust and hydrodynamic design and lightweight carbon fiber hull boasting a powerful control system plus high payload capacity. (Customizable)



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MACARTNEY

WWW.MACARTNEY.COM | Sales | sales@macartney.com



FOCUS 2

FOCUS 2 uses advanced computer technology and fiber optic telemetry for efficient vehicle and sensor communication, delivering high data capacity. It operates in depths of up to 400 m at up to 10 knots with pre-programmable horizontal and vertical movement. Suitable for various sensor packages. Proven, stable and cost-effective survey solution. (Customizable)



CON | INT | VC&L | A&T | B&T



FOCUS 3

FOCUS 3 is the ideal platform solution for high-precision survey applications: wide and cost-effective swath range, high and flexible payload capacity, and target detection via sonar technology. Carbon fiber wing sections and instrumentation pods in anodized aluminum, enabling up to 1,000 m operating depths. Available with eBOSS for UXO detection. (Customizable)



CON | INT | VC&L | A&T | B&T

MARISCOPE MEERESTECHNIK

WWW.MARISCOPE.DE

Niklas Becker | n.becker@mariscope.de



MINI OBSERVER/OBSERVER III

Able to be equipped with a vast variety of sensors and instruments. 500 mts depth rated (or more on request), Full HD cameras, extreme output LED lights, complete stainless steel frame (TIG hand welded and crystal blasted), variable payload. We specialize in one-of-a-kind development. Lifetime warranty. (Customizable)



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QINETIQ NORTH AMERICA

WWW.QINETIQ-NA.COM

Ken Heller | Ken.heller@qinetiq-na.com



C-TALON

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, River-Estuuarine Environments or Limited-Access Harbor Areas. The platform is designed specifically for customization and tuned to customer specific needs.



QINETIQ NORTH AMERICA

WWW.QINETIQ-NA.COM

Ken Heller | Ken.heller@qinetiq-na.com



SABRETOOTH

SabreTooth is a submersible, magnetic, hull crawling robot used for a wide range of shipboard inspection and maintenance tasks. Its robust and flexible design makes SabreTooth capable of handling critical and often dangerous surveillance and reconnaissance operations—all while keeping personnel out of harms way. This hull-crawler robot features high-quality sonar imaging sensors used to inspect and identify potential threats.



SMD

WWW.SMD.CO.UK | Rob Eddon | rob.eddon@smd.co.uk



BFP - BACKFILL PLOUGH

The backfill plough (BFP) is designed for compatibility with the VMP trenching plough to cover rigid pipes or flexible umbilicals in the oil and gas industry. SMD has supplied pipeline ploughs for over 35 years to various customers and projects. The BFP incorporates design features to allow it to operate on very soft soils without significant sinkage including large support skids and minimum weight.



SEAROBOTICS CORPORATION

WWW.SEAROBOTICS.COM | Sales | info@searobotics.com



HULLBUG

Semi-autonomous hull grooming system that deploys a series of integrated sensors and magnetic drive wheels to navigate a ship's hull and disrupt the early presence of biofouling. Light brushes gently detach accumulated biofouling while a submersible suction pump removes and captures it altogether, resulting in fuel efficiency gains and cleaner waters.



INS | VC&L | CD



TANKBUG

Underwater tank cleaning system that removes divers from dangerous situations by inspecting, cleaning, and removing heavy or dense sediment from water tanks. This detailed inspection also identifies any hidden corrosion or structural compromise, helping operators to safeguard against individual risk and costly maintenance or repairs.



INS | VC&L | CD

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- OCEAN RENEWABLES
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- A&T**
ACOUSTIC & TRACKING
- CD**
CLEANING DEVICES
- VSK**
VEHICLE STATION KEEPING
- WT**
WORK TOOLS



CBT500

The CBT500 draws on SMD's experience of track-driven vehicles, trenching, and cable handling subsea to provide a soft to hard ground burial solution in one neat package. With a 1.25 m depth wheel cutter system to create an open trench for seabed protection and stabilization of small diameter pipelines in hard ground.. (Customizable)



CBT800

The CBT800 draws on SMD's experience of track driven vehicles, trenching and cable handling subsea to provide a soft to hard ground burial solution in one neat package. BT 800 is a fully amphibious vehicle and comes equipped with a powerful chain cutter, dredge pump and jet legs. (Customizable)



TOWED & BOTTOM CRAWLING VEHICLES

SMD

WWW.SMD.CO.UK | Rob Eddon | rob.eddon@smd.co.uk

KEY



CBT2100

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. (Customizable)



CBT2400

The CBT2400 draws on SMD experience of track driven vehicles, trenching and cable handling subsea to provide a soft to hard ground burial solution in one neat package. CBT2400 is a fully amphibious vehicle and comes equipped with two powerful chain cutters, two dredge pumps and jet legs. A well proven chain cutter deployment system allows post-lay burial of cable up to 500 mm and 5.0 MBR. (Customizable)



CBT3200

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 300 mm diameter and 5.0 m MBR, and pipelines up to 1.5 m diameter. Offers a turnkey, integrated solution including SMD designed high sea state LARS and umbilical systems. (Customizable)



TASKS

OBS OBSERVATION

SUR SURVEY

INS INSPECTION

CON CONSTRUCTION

INT INTERVENTION

B&T BURIAL & TRENCHING



HD3-200

Based on proven SMD plough technology, the HD3-200 inter array plough provides a high performance trenching solution for large diameter power cables up to 200 mm. Using patented technology, the plough is designed to minimize pull force requirements and provide effective trenching capability up to 2.4 m depth. The diverless loading and unloading system allows post lay burial in deepwater.



HD3-300

Based on the proven SMD plough technology, the HD3-300 flexible plough provides a high performance trenching solution for large diameter flexible umbilicals and power cables. Using patented technology, the plough is designed to minimize pull force requirements and provide effective trenching capability up to 3.3 m depth and up to 3.0 m of cover. The diverless loading system also allows post lay burial in deepwater.



MD3®

The MD3® Plough is recognized globally as setting the standard in cable ploughing offering reliable trenching in most soils including clays and sands. Using patented technology, the plough is designed to minimize pull force requirements and provide effective trenching capability from zero to 3.0 m depth.



TOOLS

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NDT NON-DESTRUCTIVE TESTING

A&T ACOUSTIC & TRACKING

CD CLEANING DEVICES

VSK VEHICLE STATION KEEPING

WT WORK TOOLS

**MD3-XT®**

The MD3-XT® plough can be enhanced with jetting and rock ripping upgrades to maximize performance. As with any of our assets, SMD can provide a turnkey cable burial solution including in-house designed high sea state LARS, tow winch and umbilical system.

**PRE-LAY PLOUGH (PLP)**

The newest addition to SMD's plough range is the multi-function pre-lay plough offered in a number of configurations for boulder clearing, trenching and/or backfill. Available with a 150 Te and 200 Te tow load, this one plough can be set up to carry out any combination of these processes making it economical in both cost and time, minimizing lay risk and maximizing lay speed. (Customizable)

**Q-TRENCHER 400**

Uses high voltage supply to provide effective cable maintenance and other specialized tasks. Purpose designed to provide maximum jetting and thrust performance. Has a reputation for reliability and ease of maintenance and has become an essential part of any cable installation vehicle suite. Turnkey cable maintenance solution including LARS and umbilical. (Customizable)

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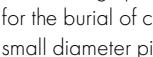
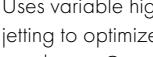
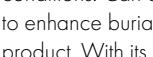
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Q-TRENCHER 500

The Q-Trencher 500 ROV provides high power trenching capability for the burial of cables up to 3 m deep. The ROV uses variable high flow or high pressure jetting to optimize the trenching to suit the conditions. It can also deploy a rear eductor to enhance burial of large diameter products. Using a forward jet tool it can maneuver to bury tight loops. Its high thrust enables rapid post lay survey. It can also be fitted with a suite of tools for maintenance operations. SMD offer a turnkey, integrated solution including SMD designed high sea state LARS and umbilical system. (Customizable)



Q-TRENCHER 600

Uses high voltage supply to provide effective cable maintenance with other specialized tasks. Purpose designed for maximum jetting and thrust performance. Optimized with a single 4.1kV hydraulic power unit to achieve 600 hp in a compact package. Turnkey solution including SMD designed high sea state LARS and umbilical. (Customizable)



Q-TRENCHER 800

Using variable high flow or high pressure jetting, the Q-Trencher 800 can optimize trenching in a number of soil conditions. In addition it can also deploy a rear educator or backwash sword to enhance burial of large diameter products and provides high thrust enabling rapid post lay survey. (Customizable)



Q-TRENCHER 1000

Provides high power trenching capability for the burial of cables, umbilical and small diameter pipes up to 3 m 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. (Customizable)



Q-TRENCHER 1400

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 200 kw 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 18 Te. (Customizable)



Q-TRENCHER 1600

The Q-Trencher 1600 is a high powered free-swimming jet trencher, with optional track drive for enhanced burial capability and optional tracked skids for bespoke tool deployment. With 1.2 MW of total power, the trencher delivers 800 kW of variable high pressure jetting power for trenching and up to 300 kW of LP water jetting for trench backwash, eduction or trench collapse. (Customizable)



JAIA ROBOTICS

AUTONOMOUS AQUATIC DRONES

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- ONE DAY TRAINING
- HIGH SPEED
- MICRO SIZE
- LOW COST



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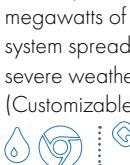
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SUBSEA TECH

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Sales | st.sales@subsea-tech.com



ASPIROV

AspiROV is an ultra-portable robot especially designed for visual inspection and cleaning of fire fighting, industrial and potable water tanks. Based on the Guardian mini-ROV design, it can be operated in inspection mode (navigation in open water) or in cleaning mode thanks to its rolling skid. (Customizable)



INT



VARIABLE MULTIPASS PLOUGH (VMP)

Building on SMD's reputation for the continuous development of plough technology, the Variable Multipass Plough range introduces further improvements and optimization of the well proven SMD multipass pipe plough. These models offer enhanced variable multipass capability, allowing the operator to remotely adjust the depth during trenching.



SUBC IMAGING

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Ian McMillan | ian.mcmillan@subcimaing.com



TOW CAMERA SYSTEM

Durable, high-performance system to capture and store underwater observations in 4K & HD. Reliable alternative to expensive AUV and ROV deployments. Collect thousands of high-quality seafloor images, hours of video, and data. Includes 410 m of kevlar tow cable, real-time video feed, LEDs, and lasers for precision and superior footage.



CON | INT | VC&L

TELEDYNE SEABOTIX

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SeaBotix_Inquiries@Teledyne.com



VECTORED LITTLE BENTHIC CRAWLER (VLBC)

Unmatched in versatility, the SeaBotix vLBC is a revolutionary approach to ship hull and infrastructure inspection for a wide range of military and commercial applications. With no magnets or thrusters (churning the water, impeding visibility), SeaBotix Crawlers employ the patented Vortex Generator to attach to any relatively flat, hard surface with up to 22+ kgf (48 lbf) of attraction force. With no relative motion between the inspection surface and the sensors, output data is the highest quality possible and operator fatigue is greatly reduced. (Customizable)



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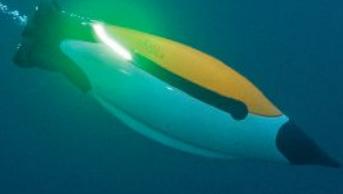
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UNDERWATER INNOVATIONS

Advances in communications,
positioning, and robotics



Evo
Logics

EvoLogics is an innovative subsea technology company established in 2000, with headquarters in Berlin, Germany, and a US sales office in Yorktown, Virginia. Combining state-of-the-art engineering with bionic concepts, EvoLogics is an expert in underwater acoustic communication, positioning networks, smart robotics, and sensor systems.

So far, 2024 has welcomed significant new launches, reinforcing EvoLogics' role in advancing maritime technologies.

DIVER NAVIGATION SYSTEM

One of the key highlights of 2024 is the introduction of the EvoLogics Diver Navigation system. It simplifies complex underwater tasks involving multiple team members, like search and rescue, salvage, recovery, or cleanup operations. The system employs compact, battery-powered acoustic modems as diver trackers, positioned on the divers' backs for unobstructed signal transmission.

Divers use a wrist tablet that displays the map with all diver positions and can use a chat tool very similar to smartphone texting. Map waypoints can be added before or during the mission to coordinate the mission and mark the discovered objects in real time.

NEXT-GEN UNDERWATER ROBOT

Another major milestone in 2024 is the launch of an upgraded version of the Quadroin, a penguin-shaped underwater robot designed for underwater surveys. The bionic design of the AUV is inspired by studies of highly efficient penguin locomotion. The upgraded Quadroin can perform side-scan and camera imaging missions, and its onboard edge computing platform allows for real-time object recognition while underwater.



▲ EvoLogics Diver Navigation System. (Credit: EvoLogics)

INTEROPERABILITY & STANDARDIZATION

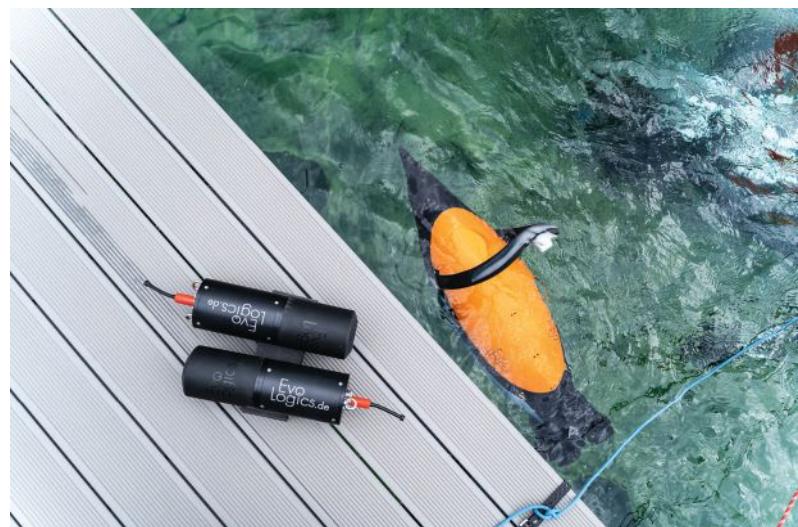
Standardizing subsea communication is essential for future-proofing underwater technologies, and EvoLogics invests significant development efforts into the interoperability of the company's underwater acoustic modem lineup. Being an active member of the JANUS community (NATO's ANEP-87 acoustic communication standard), EvoLogics fully implements the JANUS Band A in its S2C 7/17 modems line, and development work is ongoing for bands C, D and E.

EvoLogics is also a member of SWiG (the Subsea Wireless Group), an international consortium promoting interoperability for subsea wireless communications, and EvoLogics S2C 18/34 underwater acoustic modems fully support the SWiGacoustic standard.

In October 2024, the EvoLogics acoustics department is set to partake in the SWiG demonstration session at the 18th ACM Conference on Wireless Underwater Networks & Systems (WUWNet). Through their involvement in this demonstration, EvoLogics is happy to contribute to the widespread adoption of interoperability standards in underwater communications.

As EvoLogics heads into Q3 of 2024, the company is booked with orders, with a tight delivery calendar and an extensive production plan extending through December. Despite the demanding schedule, the teams are already laying the groundwork for further advancements in 2025 and 2026. EvoLogics remains dedicated to pushing boundaries and breaking new ground in subsea technologies with its continued emphasis on innovation and excellence.

● eologics.de



▲ EvoLogics S2C 7/17 underwater acoustic modems. (Credit: EvoLogics)

ON&T

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2024–2025

AUTONOMOUS UNDERWATER VEHICLES: AUVs

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Sales | USASales@3datdepth.com



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ADVANCED NAVIGATION

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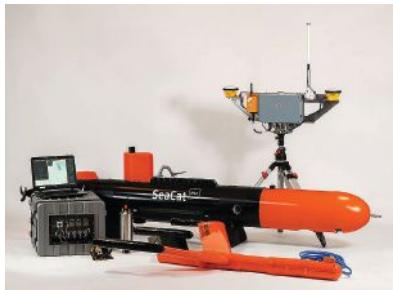
HYDRUS

Hydrus is a cutting-edge autonomous underwater drone equipped with the latest navigation and communication systems, including DVL, USBL, INS and acoustic and optical modems. Enhanced by AI, it offers obstacle detection, collision avoidance and a cinema-grade camera that can capture stunning 4K video and images at 60 fps in low-light conditions. Imagery can be integrated with georeferenced data to create detailed 3D photogrammetry models. (Customizable)



OBS | SUR | INS | VC&L | A&T

ATLAS ELEKTRONIK

WWW.UK.ATLAS-ELEKTRONIK.COM | info@atlas-elektronik.com

SEACAT

SeaCat is a hybrid AUV/ROV System with a FOC Link of 1,000 m. 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.



SEAFOX®

This fiber-optic guided, one shot mine disposal vehicle is used for semi-autonomous disposal of naval mines and other ordnance found at sea. It is able to automatically relocate previously acquired positions of underwater objects within minutes with the integrated homing sonar. After relocating, these objects can be identified using the onboard CCTV camera and destroyed by the use of a built-in, large caliber shaped charge. The one-way concept significantly reduces the disposal time and extends the operational envelope.



ANDURIL

WWW.ANDURIL.COM | contact@anduril.com

DIVE-LD

The DIVE-LD is tailor made for littoral and deep-water survey, inspection & ISR. It allows for rapid configurations to meet mission-specific needs, applicable to a wide range of defense and commercial mission sets. (Customizable)



OBS | SUR

BAE SYSTEMS

WWW.BAESYSTEMS.COM/EN-US/HOME

Paco Santana | riptide@baesystems.com



MICRO-UUV

BAE Systems' Riptide family of autonomous undersea vehicles provide a sustainable and scalable platform to advance technology development and undersea operations. Our mission agnostic and modular system design enables easy modification, while multiple energy source options allow for maximum flexibility for endurance, safety, shipping, and mission optimization. (Customizable)



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BEDROCK OCEAN

WWW.BEDROCKOCEAN.COM

info@bedrockocean.com



BEDROCK OCEAN AUV

Bedrock has engineered a new generation of portable, autonomous underwater vehicles (AUVs), allowing us to acquire seafloor data more efficiently than traditional ship or surface-based methods. Our portable AUVs support missions in water depths less than 300 m and/or 90 km from shore. At a speed of 2–3 knots, our AUVs have a low chance of animal or environmental damage as they're transiting.



SUR | OBS

CELLULA ROBOTICS LTD.

WWW.CELLULA.COM | info@cellula.com



IMOTUS-1

The Imotus Hovering Autonomous Underwater Vehicle (HAUV) is a comprehensive vehicle for performing inspections in complex confined spaces or resident missions in open water. Imotus is built on a modular core platform, using ROS over Ethernet to communicate between the navigation sensors, main computer and payload modules. Proprietary Simultaneous Localization and Mapping (SLAM) algorithms have been developed to enable navigation, station keeping, route following and autonomous operation in a variety of confined space environments. (Customizable)



OBS | SUR | INS | VC&L | A&T | NDT | VSK CD

BOSTON ENGINEERING

WWW.BOSTON-ENGINEERING.COM

Alex Wallace | info@boston-engineering.com



BIOSWIMMER UUV

The BIOSwimmer UUV applies the dynamics of biological fish to advance underwater search, inspection, and to operate in constricted areas inaccessible by other vehicles. The BIOSwimmer addresses maritime capability gaps in littoral waters by increasing data collection in confined areas and using multi-payload support to perform a breadth of missions. (Customizable)



SUR | A&T

BOXFISH ROBOTICS

WWW.BOXFISH.NZ

info@boxfish.nz



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WORK TOOLS

BOXFISH AUV

Boxfish AUV is an autonomous customizable underwater drone, that has an open platform and can be programmed for custom autonomous operation. The Boxfish AUV's onboard battery power and support for optional imaging sonar, DVL, and other sensors, in addition to the standard USBL, makes it truly autonomous. On-board computer running ROS 2 complements Boxfish Robotics' standard controller and allows users to get the additional control they desire. (Customizable)



OBS | SUR



SOLUS-LITE

The Solus-Lite autonomous underwater vehicle (AUV) is a flexible and modular AUV development platform. The vehicle's large payload volume and straightforward interface provides an advanced starting point for clients to incorporate and develop their own unique equipment and experimental payloads. (Customizable)



OBS | SUR | A&T

CELLULA ROBOTICS LTD.

WWW.CELLULA.COM | info@cellula.com



IMOTUS-S

Imotus-S is an open water hovering AUV for multi-influence marine vessel signature measurement. Operating as a fleet, the Imotus-S AUVs provide simultaneous measurements for acoustic and magnetic signatures without leaving station. Imotus-S is built on a modular core platform, using ROS over Ethernet to communicate between the navigation sensors, main computer and payload modules. (Customizable)



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-  WEBSITE

**SOLUS-LR**

The Solus-LR AUV is a long range, hydrogen fuel-cell powered autonomous underwater vehicle, capable of port to port missions and 2,000 km ranges. Its suction anchor and payload capacity enables applications including surface and subsurface surveillance (acoustic or magnetic), traditional geophysical surveys, and search and survey. (Customizable)



OBS | SUR | A&T

**SOLUS-MR**

Solus-MR AUV is a standard and reliable workhorse AUV for those requiring multi-day deployments. A highly customizable platform, Solus-MR can be configured with different payloads as missions demand to maximize your operations. (Customizable)



OBS | SUR | INS | VC&L | A&T | NDT | VSK CD

**SOLUS-XR**

Solus-XR is Cellula's next generation, fuel cell powered extra-large uncrewed underwater vehicle (XLUUV) platform, designed for port to port, lightly supervised surveillance missions over long ranges. Solus-XR is designed to be deployed solo or in fleets to provide a persistent at-sea capability with inter-vehicle communications and adaptive missions. Solus-XR is built using an ultra-reliable and cost effective commercial AUV survey core architecture, with the ability to carry defense or commercial payloads in its large removable payload modules. (Customizable)



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DEEPINFAR

WWW.DEEPINFAR.COM/EN

Sales | info@deepifar.com

**ORANGE SHARK**

The Orange Shark AUV series consists of medium/small underwater unmanned autonomous vehicles developed by Tianjin Deepinfa Ocean Technology Co., Ltd. The product is highly modular, highly intelligent and highly customized. It has a compact structure, strong carrying capacity, excellent hydrodynamic performance, high energy efficiency and wide range of applications. Equipped with special cloth recycling system, it is easy to use, safe and reliable to launch and retrieve. Easy to get started; application of "DVL+INS (optical fiber/laser)+ GPS/BD" combination scheme to realize autonomous navigation of equipment. Different precision levels are customized according to the application scenario. (Customizable)



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ECOSUB ROBOTICS LTD.

WWW.ECOSUB.UK | Sales | sales@ecosub.uk

**ECOSUBμ5 - 500 M RATED MICRO-AUV**

Our ecoSUBμ (Milli) vehicles are available as either 500 m rated or 2,500 m rated AUVs. They feature more space for payload and offer more power than our Micro class of AUV. (Customizable)



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**ECOSUBM5 - 500 M RATED SMALL-AUV**

Our ecoSUBm (Milli) vehicles are available as either 500 m rated or 2,500 m rated AUVs. They feature more space for payload and offer more power than our Micro class of AUV. (Customizable)



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EMPOWERING

World leading electric underwater robotics

Seaeye eM1-7

Electric Manipulator

- Seven function work class manipulator
- Compatible with most work class ROVs
- Maximum reach 1,990mm
- Lift capacity 122kg/454kg (max/min reach)
- Precise position and force feedback
- Modular self-contained joints
- Wrist camera option
- Diagnostic power and status LEDs
- Interchangeable parallel and intermeshing jaw options
- On-board processing for advanced kinematics

saabseaeye.com



SAAB



ECOSUB ROBOTICS LTD.

WWW.ECOSUB.UK
Sales | sales@ecosub.uk

**ECOSUBM25 - 2,500 M RATED****SMALL-AUV**

Our ecoSUBm (Milli) vehicles are available as either 500 m rated or 2,500 m rated AUVs. They feature more space for payload and offer more power than our Micro class of AUV. (Customizable)



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EDGELAB SRL

WWW.EDGE LAB.EU
Lavinio Gualdesi | edgelab@edgelab.eu

**U_TRACKER®**

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 can be customized by adding a Webcam, CTD, Side Scan Sonar, and other AUV-class sensors. High maneuverability with 2 azimuthal + 2 lateral ducted propellers.

**EDGELAB SRL**

WWW.EDGE LAB.EU | Lavinio Gualdesi | edgelab@edgelab.eu

**AMOGH**

Amogh is a third generation AUV, developed in collaboration with Larsen & Toubro, Mumbai, India and Edgelab. Amogh is designed to comply with the International Hydrographic Organization standards for hydrographic surveys and IMO regulations for navigation safety. The containerized design with integrated LARS-Launch & Recovery System, and the maintenance support system is suitable for ease of implementation and installation. Amogh is equipped with the latest state-of-the-art sensors, payloads, propulsion and energy system, making it a first-class AUV for hydrographic and underwater surveillance and recognition operations.

**USV_CAT**

USV_CAT is a catamaran designed to perform surveillance operations or scientific researches in restricted areas and in swallow waters, like harbours, rivers, lakes or bays.

**EELUME**

WWW.EELUME.COM | contact@eelume.com

**EELUME 300 CS****EELUME 300 CXS****EELUME 300 S****EELUME 600 CS****EELUME 600 CXS****EELUME 600 S**

The Eelume S-series AUVs comprise a diverse range of small to medium-class All-Terrain AUVs specifically engineered to map and operate close to challenging underwater topographies. (Customizable)



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POWER SUBSEA VEHICLES & EQUIPMENT



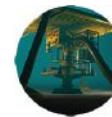
AUV/UV



MUV



ROV



OIL & GAS



OCEANOGRAPHY



Higher Performance

- 4X Longer Run Time Endurance (vs SLA)
- 100% Condition Based Monitoring
- Easy Battery System Configuration, connect modules in:
 - Series for more Voltage
 - Parallel for more Capacity/Power



Certified

Lower Risk

- ABS Certified & 2nd Generation Learned
- 6000M Pressure Tolerant Tested
- UN 38.3 Certified and Safety Tested
- ISO 9001 Quality Manufactured
 - Electronic Test Datasheets

Patented Battery Management System



- Automatic Cell Balancing
- Automatic Module-to-Module Balancing
- Continuous, Redundant Safety Protection
- Ability to Balance High Capacity Packs
- Subsea Application Proven

DIRECT IN WATER



10 AMP



40 AMP



LOW PROFILE
20 AMP

PBOF CASE



DAISY CHAIN
40 AMP

1 ATM PV



40 AMP

LEARN MORE AT WWW.SWE.COM/SEASAFE

EELUME

WWW.EELUME.COM | contact@eelume.com

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**EELUME 500 M**

The Eelume 500 M series is ideally suited for conducting inspections and light interventions on subsea structures (e.g., offshore wind farms, fish farms, and oil & gas production facilities and pipelines). Vehicle configurations can also perform environmental surveys, such as detecting gas leaks, oil in water, salinity, temperature, and sound levels. (Customizable)

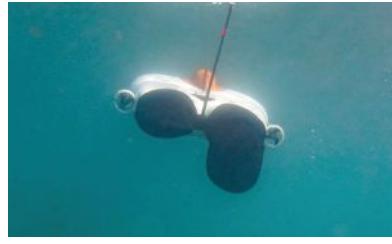


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EVOLOGICS

WWW.EVOLOGICS.DE

Francisco Bustamante | sales@evologics.de

**POGGY AUV**

Poggy is a bionic autonomous vehicle based on the Fin-Ray® technology. The AUV is a one of a kind, novel bionic design with two propulsion thrusters and two independent flexible "tails" that give the robot unique mobility features. Its dual-tail construction is an original idea that stemmed from previous work on EvoLogics' Manta Ray AUV and its lifelike "flapping wing" propulsion system. The design was simplified and optimized—the robot lost the wings, and its tail was divided in two. Both parts of the dual-tail use independent bionic Fin-Ray® drives and allow for precise heave, pitch and roll adjustments, enabling dynamic climbs and dives, leveled gliding and bottom following.



OBS | SUR

EVOLOGICS

WWW.EVOLOGICS.DE | Francisco Bustamante | sales@evologics.de

**QUADROIN AUV**

The Quadroin is a next generation AUV with low-drag bionic design. Innovative spindle-shaped flow bodies, modeled after penguins, achieve ultra-low drag coefficients in the water. The technical design choices maintain the shape and contour of an idealized penguin-like body without protruding parts to facilitate the highest drag efficiency. Driven by four rear thrusters, this AUV shows excellent hydrodynamic performance and maneuverability. It is up to 10 knots fast and highly energy efficient.



OBS | SUR

EXAIL

WWW.EXAIL.COM | Antony Penn | sales.robots@exail.com

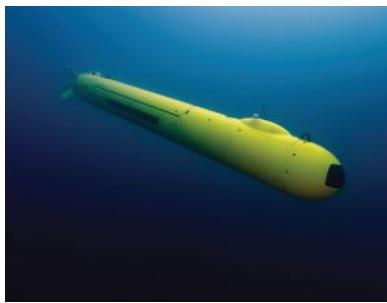


A9

A man-portable AUV for environmental monitoring and survey as well as surveillance for Defense and Security applications. This AUV is easy to deploy and operate from shore or any small platform such as RHIBs. Dedicated data management software for civil and military (including MCM) missions are available. (Customizable)



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A18D

A man-portable AUV for environmental monitoring and survey as well as surveillance for Defense and Security applications. This AUV is easy to deploy and operate from shore or any small platform such as RHIBs. Dedicated data management software for civil and military (including MCM) missions are available. (Customizable)



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A18-M

Deep water (3,000 m) modular and flexible mid-size AUV for high resolution 3D survey. Thanks to its accurate navigation system and its SAS sonar, this AUV gathers the highest quality data. A dedicated Launch & Recovery System is available as well as a dedicated software suite for data processing and management. Exail provides AUV Services based on A18D. (Customizable)



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GENERAL DYNAMICS MISSION SYSTEMS

HTTPS://GDMINISSIONSYSTEMS.COM
Jonathan Lesser | Jonathan.Lesser@gd-ms.com

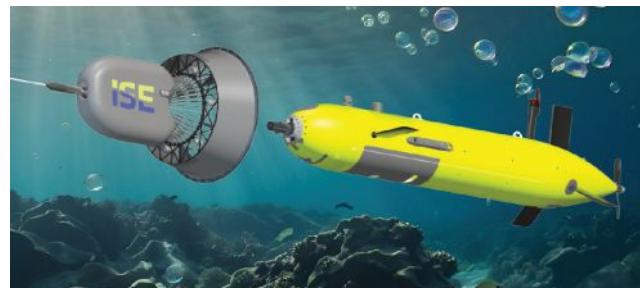


BLUEFIN®-9

The General Dynamics Mission Systems Bluefin®-9 AUV provides unmatched high-resolution data, leading navigation, data processing and mission turnaround time in a two-man portable UUV. Featuring a full carbon fiber body, a carefully selected and smartly integrated suite of sensors, latest generation communications and navigational components, and new onboard processing capabilities, the Bluefin-9 is the professional's tool to KNOW WHAT'S BELOW.



SUR | VC&L



Discover Unlimited Range: Surfacing Optional

ISE's innovative towed docking system revolutionizes offshore missions by ensuring seamless AUV surveying and surveillance. No more delays to recover vehicles—our system allows for continuous operation.



Unlike other systems, ISE's autonomous platform lets the AUV dock, recharge, and transfer data on-the-go, all while the surface vessel keeps moving, and without human intervention.



International
Submarine
Engineering Ltd.

www.ise.bc.ca
Call us: 604 942-5223
Email us: info@ise.bc.ca

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AUVs

GENERAL DYNAMICS MISSION SYSTEMS

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BLUEFIN®-12

Advanced, Mission-Ready and Modular. The Bluefin®-12 is a lightweight medium-class UUV designed to deliver mission critical data and complete high-consequence and changing missions. Built with robust core capabilities, increased modularity, embedded intelligence, data processing, and extended operational range, the Bluefin-12 is ready for today's mission and prepared for tomorrow's threats. (Customizable)



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BLUEFIN®-21

The Bluefin®-21 is a highly modular AUV 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. (Customizable)



SUR | VC&L

GRAAL TECH

[WWW.GRAALTECH.COM](http://www.graaltech.com)



X-300 AUV

X-300 is a torpedo-shaped AUV capable of executing a wide variety of missions in the fields of O&G, Defense & Security, Oceanography and Environmental Monitoring. It is made up of a pair of carbon fiber cylinders connected to two terminating wet sections where steering and propelling thrusters are located, together with a bladder enabling variations of the vehicle buoyancy. (Customizable)



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GRAAL TECH

[WWW.GRAALTECH.COM](http://www.graaltech.com)



X-300 EXPLORER

X-300 Explorer is a customization of X-300 AUV specifically designed for underwater inspection tasks and search operations of objects on the seabed. The short configuration makes the vehicle even more maneuverable and easier to be deployed and recovered. The available optic fiber tether provides real-time images from the on-board sensors and allows the user to take control of the AUV for maneuvering it like an ROV, whenever a closer look to a detail of interest is required. (Customizable)



OBS | SUR



X-300 MCM COMPACT

X-300 MCM Compact is the future of underwater exploration and security—our state-of-the-art AUV designed to tackle the most challenging maritime operations. With its compact size and advanced autonomy, it's a true game-changer in the field of underwater missions. (Customizable)



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HUNTINGTON INGALLS INDUSTRIES

[HTTPS://HII.COM](https://hii.com)

Sales | uxs.customerservice@hii-tsd.com



REMUS 100

The REMUS 100 is one of the most prolific small class AUVs with over 400 sold worldwide. This two-man portable, low logistics AUV is outfitted with various sensors and payloads to collect data and imagery in the ocean. (Customizable)



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NEXT-LEVEL AUV TECHNOLOGY

The Slocum Sentinel Glider



The Slocum Sentinel Glider, the latest product in buoyancy engine driven underwater vehicles, was launched by Teledyne Webb Research (TWR) in March 2024. By extending the capabilities and endurance of Teledyne Webb Research's Slocum G3 Glider, the Slocum Sentinel Glider takes this AUV technology to the next level.

Doug Webb, an engineer at Woods Hole Oceanographic Institution and Oceanographer Emeritus, founded TWR (previously Webb Research) in 1982. He revolutionized underwater vehicle technology by inventing buoyancy engines that modify vehicle density for the purpose of oceanographic data collection. This technology is utilized by TWR on their APEX Profiling Float and Slocum Glider products.

The Slocum Glider, the most-used glider on the market, has become incredibly popular since its inception as the first-ever gliding autonomous underwater vehicle (AUV). These vehicles have been designed to be extremely efficient and can persistently gather oceanographic data for months or even a year at a time, communicating and sending data shoreside during surfacing to its operators via Iridium satellite connections.

Over the past 25 years, TWR has supplied more than 1,100 Slocum Gliders to various customers in the scientific, academic, and defense sectors. These gliders have been equipped with over 50 integrated sensor and hardware options, making them suitable for a wide range of missions.

SIZE MATTERS

The Slocum Sentinel Glider builds upon the Slocum Glider technology but offers a larger and faster platform to address mission capabilities and endurance previously unachievable by gliders. It is 8 feet long and enhances volumetric efficiency by scaling up the diameter of the standard Slocum Glider. With its expanded size, the Sentinel can house more than 3.5 times the amount of lithium primary batteries found in the standard Slocum Glider and can also physically fit up to 8 different sensor or hardware integrations.

With a volumetric capacity of 4 liters, the Slocum Sentinel Glider boasts the industry's largest commercial buoyancy engine, which is more than twice the size of any other glider buoyancy engine currently on the market. This affords the Sentinel a standard glide speed

of 1 knot. The vehicle is equipped with dual thrusters on the aft, which can be activated by users to reach a sprint speed of up to 3 knots.

GREATER PAYLOAD CAPACITY

The specifications of the Slocum Sentinel Glider offer new possibilities to the glider community and can support a wider range of environmental sensors and conduct longer missions to monitor the impact of offshore construction on the ocean ecosystem, meeting the growing demand for environmental monitoring. By enabling a greater range of environmental sensors and longer missions, the Sentinel can now effectively monitor the influence of offshore construction on the ocean ecosystem, fulfilling the growing requirement for environmental monitoring.

The Sentinel allows glider users in fisheries and conservation to conduct long-term deployments with multiple high-energy sensors and imaging hardware and is designed to keep gliders on track even in challenging conditions like strong currents, storm conditions, and areas with drastic changes in water density.

The Slocum Sentinel Glider is anticipated to further advance glider usage in various applications, including non-traditional fields like oceanographic mapping and surveying. The glider user community and their diverse missions will keep growing, and the Sentinel is up for the challenge.

teledynemarine.com



AUVs

HUNTINGTON INGALLS INDUSTRIES

[HTTPS://HII.COM](https://hii.com) | Sales | uxs.customerservice@hii-tsd.com

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REMUS 130

The REMUS 130 was developed for customers seeking the long service life of REMUS UUVs, along with the proven modularity and open architecture of the REMUS 300 and 620 models at a reduced cost. The REMUS 130 features modern core electronics, navigation and communications systems with modular, open architecture interfaces to accommodate wet or dry payloads. (Customizable)



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REMUS 300

The new REMUS 300 is a small class, modular AUV that provides maximum payload flexibility while remaining two-man portable. This 300 meter depth rated, open architecture AUV offers field-swappable energy options allowing up to 29 hour mission duration. (Customizable)



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REMUS 620

The REMUS 620 is the longest reaching UUV in its class. With a battery life of up to 110 hours and a range of 275 nautical miles, it delivers unmatched multi-day endurance, range and stealth. Its modular, open architecture design and seamless payload integration, allow you to easily shift between any mission, above or below the surface. (Customizable)



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REMUS 6000

The New Generation REMUS 6000 AUV boasts the same proven software and electronic subsystems found in our highly successful REMUS 100 AUV, with a depth rating, endurance and payload that allows for autonomous operations in up to 6000 meters of water. (Customizable)



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HYDROMEA

[WWW.HYDROMEA.COM](http://www.hydromea.com)
Sales | sales@hydromea.com



VERTEX

The Hydromea VERTEX AUV System is a fleet of small, portable and highly integrated autonomous underwater vehicles for water quality measurements, specifically designed to operate in groups of 10 or more vehicles. (Customizable)



INDEPENDENT ROBOTICS

[WWW.INDEPENDENTROBOTICS.COM](http://www.independentrobotics.com)
info@independentrobotics.com



AQUA2

The Aqua2 is an amphibious hexapod robot capable of propelling itself on land or through the water. The use of six independently controlled thrusting surfaces makes the unit very maneuverable and produces minimal disturbance to the surrounding environment. The Aqua2 is programmable and configurable, can be deployed for tethered or untethered use, and is an ideal platform for submersible robotics projects, environmental monitoring, and propulsion research. (Customizable)



INTERNATIONAL SUBMARINE ENGINEERING LTD. (ISE)

WWW.ISE.BC.CA | Sales | info@ise.bc.ca



ISE EXPLORER AUV

The ISE Explorer AUV, the epitome of underwater data gathering. Engineered to operate at depths of up to 6000 meters, it adeptly gathers IHO (International Hydrographic Organization) compliant data at a remarkable pace of up to 550 units per week during missions. Renowned for its exceptional adaptability and agility, the Explorer stands as the foremost AUV available, meticulously designed to align with the precise requirements of your tasks, thereby mitigating unnecessary equipment expenses. (Customizable)



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ISE XL UUVS

First introduced in 1994 with Theseus, the XL UUV has accumulated an impressive track record, clocking thousands of operational hours worldwide. This exceptional XL UUV not only combines proven technology with the versatility of our acclaimed Explorer line but also offers compatibility with a diverse range of payloads and sensors from leading manufacturers.



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IQUA ROBOTICS

HTTP://IQUAROBOTICS.COM
Marc Carreras | sales@iquarobotics.com



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GIRONA 500 AUV

Hoving autonomous underwater vehicle for a maximum depth of 500 m. It can be easily configured for multiple tasks thanks to a large payload volume and stability. (Customizable)



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IQUA ROBOTICS

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Marc Carreras | sales@iquarobotics.com



SPARUS II AUV

Hovering lightweight autonomous underwater vehicle for a maximum depth of 200 m with an easily configurable payload area and an open software architecture. Suitable for multiple applications. (Customizable)



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ISRAEL AEROSPACE INDUSTRIES (IAI)

WWW.IAI.CO.IL
iai-communications@iai.co.il



BLUEWHALE™

BlueWhale™ can detect and track targets, both above and below surface, and perform onboard sensor data processing. Actionable intelligence is relayed in real time to the command and control over a dedicated broadband-secured satellite channel.



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JAIA ROBOTICS

WWW.JAIA.TECH
ian@jaia.tech



JAIABOT-HYDRO/PAM

JaiaBots offer unprecedented cost savings in data collection and visualization for Defense, Environmental Monitoring, Aquaculture, Offshore Energy, and Academia. User training takes just one day. Micro-size (6.5 lbs) aquatic drones enable multi-vehicle deployment by a single user from the shore, watercraft, or dock. Open-source software and modular design provides rapid sensor and performance customization options. Customer validated operations in coastal, estuarine, and high surf conditions. (Customizable)



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KAWASAKI SUBSEA (UK) LIMITEDWWW.KHISUBSEA.CO.UK

contact@khisubsea.co.uk

**SPICE**

"SPICE" (Subsea Precise Inspector with Close Eyes) is an AUV system including subsea docking station, developed by Kawasaki. SPICE is now focused on long distance pipeline inspection jobs. SPICE has a Robot arm which can realize several closed inspections of pipeline, and non-contact recharging system and high data rate transfer system in underwater. In combination with subsea docking station, SPICE can continue own operation without frequent launch and recovery.



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KONGSBERG DISCOVERYWWW.KM.KONGSBERG.COM | Sales | km.sales@kongsberg.com**HUGIN**

HUGIN is the most commercially successful AUV in the world, having completed over 600,000 line kilometers of paid survey. 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. (Customizable)

**HUGIN ENDURANCE**

HUGIN Endurance can be configured with a range of sensors focused on mission capabilities and situational awareness. This includes the proven hydro-acoustic instruments for mapping and inspection purposes, such as the KONGSBERG HISAS family of synthetic aperture sonars and the EM® family of multibeams. Both underwater and surface awareness sensors are used for autonomous decision making. (Customizable)

**L3HARRIS**WWW.L3HARRIS.COM | Jim Kirk | IVER.sales@L3Harris.com**HUGIN SUPERIOR**

The HUGIN Superior AUV System is the most capable commercially available AUV. It offers the best data quality and coverage coupled with the most accurate navigation and positioning solution there is. Packaged as a complete system, HUGIN Superior carries more sensors than ever before over greater distances enhancing productivity and cost effectiveness. HUGIN Superior is simply the best AUV you can get. (Customizable)

**IVER3**

Iver3 is the first commercially developed family of low-cost AUVs. Iver3 is single man-portable and is ideal for coastal applications such as sensor development, general survey work, sub-surface security, research and environmental monitoring. Iver3 benefits from 15 years of experience in building reliable systems with well over 300 AUVs shipped. (Customizable)



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L3HARRIS

WWW.L3HARRIS.COM | Jim Kirk | IVER.sales@L3Harris.com



IVER4 580

The Iver4 580 offers users a 200-meter depth survey system featuring hot-swappable battery sections that can be changed in the field without any special tools. The Iver4 580 offers users a 200-meter depth survey system featuring hot-swappable battery sections that can be changed in the field without any special tools. (Customizable)



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IVER4 900

The Iver4 900 UUV offers users a 300-meter workhorse system featuring extended duration capability of 20+ hour run times for long ingress/egress missions. The Iver4 900 carries the highest performing navigation and imaging sensors available, while using swappable battery chemistries that meet flexible mission needs. (Customizable)



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LOCKHEED MARTIN

WWW.LOCKHEEDMARTIN.COM



MARLIN

The Lockheed Martin Marlin® AUV offers a range of civilian and military customers a quick and safe way to conduct subsea surveys and inspections. Lockheed Martin is advancing subsea inspections for the oil and gas industry by using Marlin to provide faster, safer, economical, and more efficient inspections compared to using divers and tethered remotely operated vehicles. Equipped with sensors and robust autonomy, Marlin conducts structural surveys, pipeline inspections, bottom debris surveys, and subsea facility inspections. (Customizable)



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Welcome to the World of ROS Positioners



The Most Complete Line of Reliable and Accurate Positioners in the Industry

Remote Ocean Systems offers the most complete line of positioners in the industry, engineered for payloads from 10, 20, 100 and up to 350 pounds. All positioners are available in Aluminum housing (standard) but are offered in Stainless Steel and Titanium for maximum longevity in seawater. ROS positioners offer accuracy from +/- 1.5° to 0.1°. ROS AccuPositioner™ is ideal for Sonar applications where precise, computer-controlled accuracy is required. ROS positioners are available as single axis (pan rotation) and dual axis (pan & tilt rotation) configurations with numerous connector options.

For More Information and Technical Specifications
Contact: sales@rosys.com or
Visit: www.rosys.com



Headquarters – San Diego, CA USA
Phone: (858) 565-8500
Email: sales@rosys.com
www.rosys.com



NAUTICUS ROBOTICS

[HTTPS://NAUTICUSROBOTICS.COM](https://nauticusrobotics.com)



AQUANAUT

Imagine a robot that can manage aquaculture projects, repair oil pipelines and scan seafloors—all without risking a single human life. Our flagship robot, Aquanaut, meets these challenges and more while running solely on electric power. It's the first subsea robot that's just as versatile as it is sustainable. With Aquanaut, you don't have to choose between an AUV and an ROV—you can have both. Start with autonomous seabed scanning, then seamlessly move to remote operation and object manipulation on the same exact robot. (Customizable)



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OCEANEERING INTERNATIONAL, INC.

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OCEAN SURVEYOR

Standard Equipment: C-Nav L-Band DGPS | Inertial 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 | Edgetech/Sub-bottom Profiler: 2–16 kHz Chirp | Black and White High Resolution Digital Camera | 2G Robotics/ULS-500 Pro Laser Line Scanner | Magnetometer Battery: Lithium Ion. (Customizable)



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OCEAN AERO

WWW.OCEANAERO.COM

info@oceanaero.us



TRITON

Triton is the world's only wind and solar powered, intelligent autonomous vehicle that both sails and submerges for unparalleled data collection and intelligence gathering in some of the hardest-to-reach-places on the planet. Intelligently designed with advanced materials, Triton can be configured to carry an almost infinite variety of payloads to complete any mission. (Customizable)



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OCEANEERING INTERNATIONAL, INC.

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FREEDOM™

The Freedom™ AUV is an advanced, resident-capable underwater robotic solution, offering the data resolution and completeness of coverage in a single pass usually only obtainable using an ROV. It delivers vessel-supported rapid, single pass pipeline, flowline, and umbilical inspections.



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QINETIQ NORTH AMERICA

WWW.QINETIQ-NA.COM

Knut Streitlien | knut.streitlien@qinetiq-na.com



OCEANSCAN-MST LDA

WWW.OCEANSCAN-MST.COM

info@oceanscan-mst.com



LAUV

The LAUV is a rugged, cost-effective, lightweight autonomous underwater vehicle, designed to be simple to deploy, operate, and recover by one person. The open-source software makes it easy to integrate new payloads and algorithms. The LAUV is used worldwide by Navies and R&D institutions. (Customizable)



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SEA SCOUT

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.



RTSYS

WWW.RTSYS.EU

Corentin Troussard | enquiries@rtsys.fr



COMET 300

COMET 300 is a two-man portable AUV with real-time positioning and acoustic communication system. Designed to meet the current scopes of marine research and industry, COMET 300 can be used in swarm mode, or as a standalone device up to 300 m depth with embedded sensors (SSS, CTD, TV camera, Magnetometer). (Customizable)



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RTSYS

WWW.RTSYS.EU | Corentin Troussard | enquiries@rtsys.fr



NEMOSENS

NemoSens is a 300 m micro-AUV with open Linux architecture. NemoSens can embark payloads such as CTD probe, magnetometer, Side Scan Sonar. Light, portable (less than 1 m, less than 10 kg), 8 hours endurance at 4 knots, live tracking and real time communication makes NemoSens the most capable micro-AUV of the market. (Customizable)



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SAAB SEA EYE

WWW.SAABSEA EYE.COM

James Douglas | solutions@saabseaeye.com



SEA EYE SABERTOOTH

The Sabertooth is a hybrid AUV/ROV capable of working in deep water either as an autonomous vehicle or via a tether. Its power, tether-free operation and 360° hovering maneuverability make the Sabertooth an ideal option for autonomous inspection or maintenance and repair tasks as well as offshore survey work. (Customizable)



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SEABER

HTTPS://SEABER.FR | Meliha Boucher | meliha@maria-conseil.com



MARVEL-MAGNETO

MARVEL-MAGNETO AUV makes AUV technology accessible. Using MARVEL-MAGNETO is certainly one of the most simple and cost-effective way to detect magnetic anomalies. Equipped with a fluxgate magnetometer sensor from Sensys MARVEL-MAGNETO provide with a great quality of image with high-stability, accurate navigation and capable of managing coastal areas with waves and current. (Customizable)



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MARVEL-MBES

MARVEL-MBES AUV just makes AUV technology accessible. Using MARVEL-MBES is certainly nowadays one of the most simple and cost-effective ways to map the seabed. Equipped with a multibeam echo sounder from Imagenex MARVEL-MBES provide with a great quality of image with high-stability, accurate navigation and capable of managing coastal areas with waves and current. (Customizable)



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SEABER

[HTTPS://SEABER.FR](https://SEABER.FR) | Meliha Boucher | meliha@mari-aconseil.com

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**MARVEL-SCAN**

MARVEL-SCAN AUV just makes AUV technology accessible. Using MARVEL-Scan is certainly nowadays one of the most simple and cost-effective way to perform bathymetric surveys. Equipped with a 200 kHz or 680 kHz Side Scan Sonar from DeepVision MARVEL-SCAN provide with a great quality of image with high-stability, accurate navigation and capable of managing coastal areas with waves and current. (Customizable)



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**YUCO-CARRIER**

YUCO-CARRIER micro-AUV is the ideal tool to embed your sensors or even your autonomous sondes! YUCO-CARRIER is equipped with Subconn connectors and can provide power and serial data-communication. If provided with .step files SEABER element to be integrated to fit in the YUCO underwater vehicle. With the payload YUCO-CARRIER micro-AUV as an autonomy up to 10 hours. YUCO-CARRIER underwater vehicle is ideally fitter for coastal monitoring or lake monitoring that require to go often at site even for single person deployments. (Customizable)



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**YUCO-CTD**

YUCO-CTD is the ideal tool to monitor accurately salinity and temperature in ocean, coastal environment and lakes. The CT sensor RBR Legato, is suited on the top of the YUCO micro-AUV to ensure best measurement in flow. An optional DVL can be used in option for greater navigation accuracy in current area. (Customizable)



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WORK TOOLS**YUCO-PAM**

YUCO-PAM is an innovative autonomous solution for passive acoustic monitoring. Instead of a mounted hydrophone it is a fully autonomous recorder that is embedded in the YUCO-PAM micro-AUV. The YUCO-PAM micro-AUV is equipped with Porpoise recorder from RS Aqua. With a selectable sampling rates up to 384 kHz and storage capacity up to 4 TB. The Porpoise recorder can be programmed separately or triggered by AUV and can synchronize its recordings with the YUCO-PAM. (Customizable)



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**YUCO-PHYSICO**

The YUCO-PHYSICO micro-AUV is a game changer in water-quality monitoring. It offers the most versatile solution to monitor physico-chemical parameters in varied depth and is a fully autonomous multi-parameter sonde. Any sensor from the sonde manufacturer range can be used, such as, sound velocity, conductivity, dissolved oxygen, turbidity, pH, chlorophyll A, crude-oil, etc. YUCO-PHYSICO has great maneuverability even in narrow and shallow waters making it ideal to monitor micro-structures. (Customizable)



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**YUCO-SCAN**

The product is highly modular, highly intelligent and highly customized. It has a compact structure, strong carrying capacity, excellent hydrodynamic performance, high energy efficiency and wide range of application. Equipped with special cloth recycling system, it is easy to use, safe and reliable to launch and retrieve. Easy to get started; application of "DVL+INS (optical fiber/laser)+ GPS/BD" combination scheme to realize autonomous navigation of equipment. Different precision levels are customized according to the application scenario. (Customizable)



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SEATOOLS

WWW.SEATOOLS.COM

Sales | sales@seatoools.com



ACTDM-INSPECTION AUV

On request of Alcatel-Lucent, Seatools performed a conceptual design study on an AUV capable of accurately monitoring and recording a cable's touchdown point. The autonomous vehicle is capable of traveling down the cable and subsequently maintains station at a predefined altitude near the touchdown point. During cable laying, the vehicle maintains this position and continuously measures and records the cable touchdown point. (Customizable)



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TELEDYNE GAVIA

[HTTP://WWW.TELEDYNEMARINE.COM](http://WWW.TELEDYNEMARINE.COM)

Arnar Steingrimsson | gavia_sales@teledyne.com



GAVIA AUV

The Gavia AUV is a self-contained, low logistics, modular survey platform capable of delivering high quality data while operating from vessels of opportunity or from the shore. (Customizable)



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SUBSEA TECH

WWW.SUBSEA-TECH.COM

Sales | st.sales@subsea-tech.com



TORPEDO

The Torpedo AUV is an autonomous underwater vehicle specially designed for the internal inspections of pipelines and tunnels at distances up to 5,000 m. The vehicle is equipped with a front HD color video camera with integrated LED lighting and can be also fitted with various other sensors such as multibeam sonar (acoustic imaging) and acoustic profiler. (Customizable)



SUR

SUNFISH, INC.

[HTTPS://SUNFISHINC.COM](https://SUNFISHINC.COM)

Alberto Lopez | explore@sunfishinc.com



SUNFISH

SUNFISH is a person-portable, six-degree of freedom autonomous underwater vehicle that moves in any direction, assumes any orientation, and independently rotates about any axis. This unique maneuverability allows SUNFISH to sense the environment, acquire data, and build full 3D maps in ways previously unattainable.



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Ocean Power
Transform into the cost-efficient and sustainable future

Li-Ion PowerPack™ - Underwater power solutions

Highly reliable, efficient and safe Li-Ion batteries
Made for harsh offshore and subsea conditions!

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Energy Storage Systems

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AUVs

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OSPREY AUV

The Osprey is a truly modular AUV. The Osprey has a 324 mm diameter in order to carry additional energy for operational endurance in excess of 24 hours while maintaining a 1,000 meter depth rating. Added features: efficient rim drive thruster, external data pod, science bay, obstacle avoidance and forward-looking sonar nose, customizable payloads. (Customizable)



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SEARAPTOR AUV

The SEARAPTOR™ is a survey grade deep water autonomous underwater vehicle (AUV) designed to operate at abyssal depths. A wide range of sensors allow the SeaRaptor™ to complete several types of missions including: broad area search with side-scan sonar, hydrographic survey with multibeam and sub bottom profiler, and high resolution inspection survey with camera and acoustic sonar. (Customizable)



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TRANSMARK SUBSEA AS

WWW.TRANSMARK-SUBSEA.COM | Marcel Bras | marcel@transmark-subsea.com



ARV-I

ARV-i provides its customers with a range of operational configurations. As a resident vehicle, ARV-i will spend its time entirely underwater, for up to 12 months per deployment. The vehicle is designed to be autonomous, using prior programming and onboard intelligence to locate and observe underwater assets. When its battery is low, ARV-i will return to its proprietary docking station for wireless battery charging and transfer of data collected from the completed excursion.



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YSI INTEGRATED SYSTEMS & SERVICES

WWW.YSI.COM | YSI Systems | ysi.systems@xyleminc.com

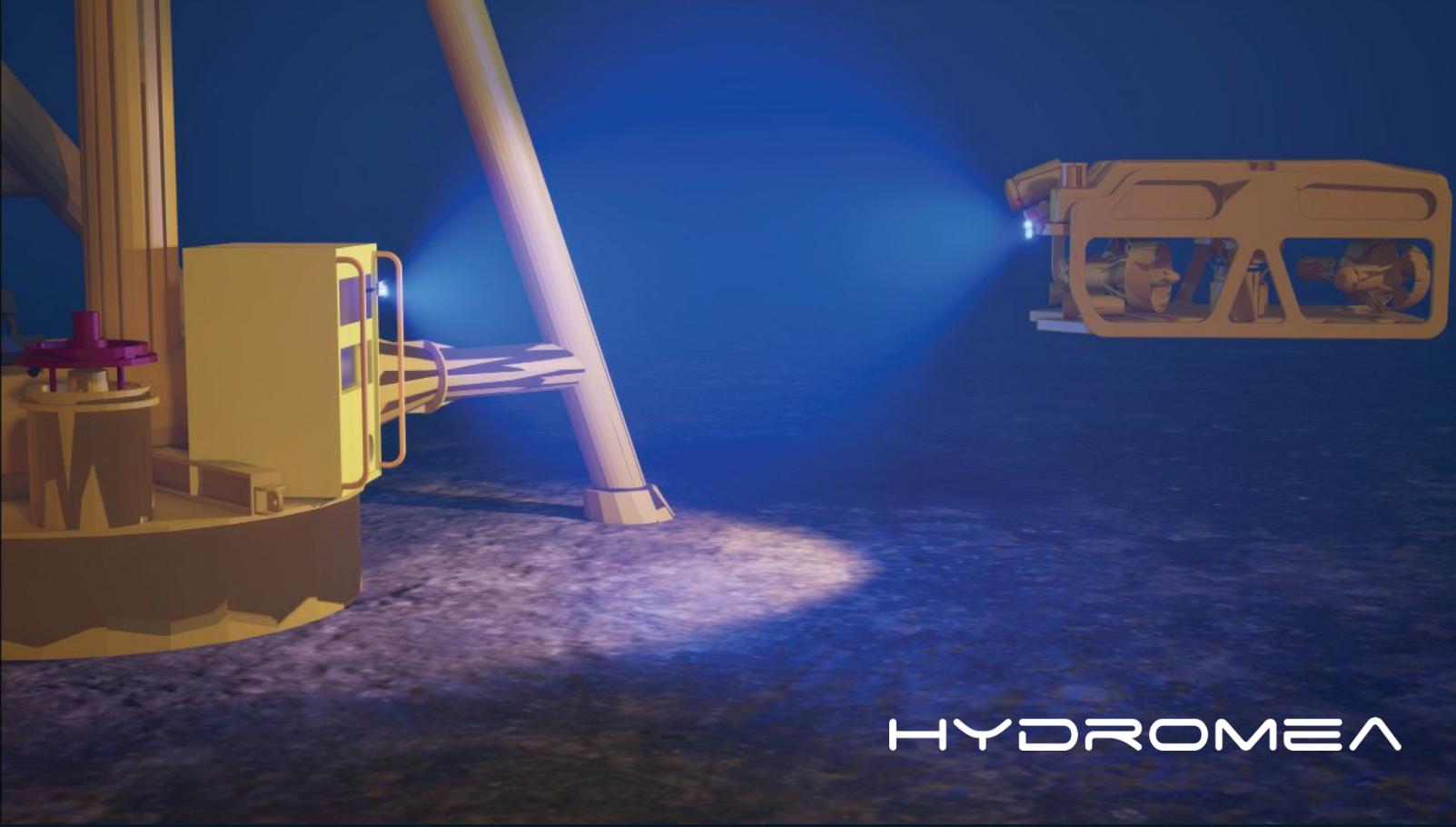


i3XO ECOMAPPER AUV

YSI's i3XO EcoMapper AUV is 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. (Customizable)



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HYDROMEÀ

LUMA™ - Wireless Optical Modems

Cut your vessel time on water during offshore inspection & maintenance campaigns



When ROVs are used to read out data from sensors and subsea controls, LUMA™ modems save significant time and cost by replacing wet-mate data connectors, LED displays and acoustic modems.

LUMA™ optical communication is fast (1000x faster than acoustic communication), with extremely low latency (over 10x over acoustics). Its wide communication beam of 120 degrees makes it easy for mobile ROV applications where strict alignment is particularly hard.



Swiss made, by the team
running on chocolate.
sales@hydromea.com



EXPANDING AUTONOMY AT SEA

Transoceanic USV for long-endurance missions

Exail, a leader in maritime autonomy solutions, has taken a bold step forward in ocean exploration with the launch of the new DriX O-16, a transoceanic uncrewed surface vessel (USV). Designed for long-duration operations of up to 30 days and engineered to cover distances of up to 3,500 nautical miles, the DriX O-16 marks a significant advancement in autonomous maritime technology.

ADVANCED CAPABILITIES

Building on the success of the original DriX H-8 USV, which has accumulated over 150,000 operational hours across 19 countries since its debut in 2017, the DriX O-16 is engineered to withstand the harshest ocean conditions.

Twice the length and five times the displacement of the legacy DriX H-8, the new USV features hybrid propulsion, redundant architecture, and advanced communication systems, ensuring high reliability and operational efficiency. Its AI-powered obstacle detection and avoidance capabilities further enhance its autonomous functionality.

MULTI-MISSION VERSATILITY

The DriX O-16 is a versatile platform capable of launching and recovering a wide array of subsea

assets. It supports remotely operated towed vehicles (ROTVs), inspection-class remotely operated vehicles (ROVs), and autonomous underwater vehicles (AUVs).

The gondola, positioned below the surface, can accommodate various payloads, including deep-water multibeam echosounders (MBES), sub-bottom profilers (SBP), and acoustic subsea positioning and communication systems (USBL). This makes the DriX O-16 USV particularly well-suited for full ocean depth scientific and hydrographic surveys, geophysical and UXO surveys, and subsea infrastructure inspections.

DEMONSTRATION & DEPLOYMENT

Unveiled at Oceanology International in London in March 2024, the DriX O-16 was launched and tested at sea within a week in late May. After these initial sea trials, it showcased its operational capabilities in early June to selected partners and customers, including major hydrographic institutes and navies worldwide.

PUSHING EXPLORATION BOUNDARIES

The DriX O-16 represents a leap forward in autonomous maritime operations. Its ability to perform multi-robot missions and deploy a wide range of subsea assets places it at the forefront of future ocean exploration and surveys.




This next-generation transoceanic low-carbon USV is pushing back the limits of ocean exploration, empowering collaborative autonomy between surface and subsea drones, while minimizing human exposure at sea. The DriX O-16 is expanding what is possible at sea, marking a significant stride in autonomous maritime operations and heralding the future of multi-robot missions in the maritime industry.

 exail.com



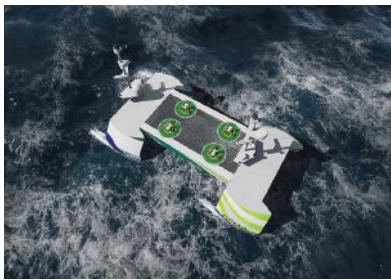
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UNCREWED SURFACE VEHICLES: USVs

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Info@acua-ocean.com



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H-USV

The H-USV has lower refueling requirements compared to existing manned solutions, without sacrificing power. This allows for increased range, speed and endurance, increasing onsite operations. Onboard power for commercial and environmental sensors and decision-making. Use of AI and edge based processing for data analysis, threat and anomaly detection and real-time decision-making.



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ATLAS ELEKTRONIK

[WWW.ATLAS-ELEKTRONIK.COM](https://www.atlas-elektronik.com)
info@uk.atlas-elektronik.com



ARCIMS

ARCIMS provides a toolbox of capabilities for multi-influence minesweeping, mine hunting and other operations. It enables manned or fully autonomous mission module operation including launch and recovery of off-board systems. Using "in-theater" proven technology, ARCIMS enables the operator to counter a wide range of threats in a flexible and affordable package.



AQUATIC DRONES

[HTTPS://AQUATICDRONES.EU](https://www.aquaticdrones.eu)
info@aquaticdrones.eu



PHOENIX 5

The Phoenix 5 is a multi-use, robust USV, equipped with a wide range of sensors. The P5 offers a clean, safe, easy to use and cost-efficient solution for maritime maintenance in ports, inland waterways and coastal areas. Our aim is operational excellence, effective use and high reliability for our customers around the world, with fair CAPEX and OPEX. (Customizable)



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AR GEO

[HTTPS://AR GEO.NO](https://www.argeo.no)
Dave Gentle | dave.gentle@argeo.no



AR GEO ARGUS

The Argeo USV is a multi-purpose unmanned vehicle for offshore and coastal applications, offering a stable, low emission hybrid platform equipped with state-of-the-art navigation, supervision and hydrographic/geophysical technology. Standard instruments include SVP, single and multibeam echosounders and sub-bottom profiler. Configurable back-deck and two moonpools allow for very high operational and sensor configuration flexibility.



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AUTONAUT

[WWW.AUTONAUTUSV.COM](https://www.autonautusv.com) | Sales | info@autonautusv.com



AUTONAUT 3.5

The AutoNaut 3.5 is designed for safe and simple deployment and recovery. It has a single lifting point for launch and recovery from a vessel. Alternatively, for the option of a direct path to/from a slipway, the craft has a low draft without subsea mechanism, on mast, through hull, and towed.



AUTONAUT 5.0

The AutoNaut 5.0 is designed for versatility. It has a larger carrying capacity for sensors, batteries and solar panels. The modularity of the design gives a flexible payload and for ease of transport the hull can break down into two halves.



AUTONOMOUS MARINE SYSTEMS

WWW.AUTOMARINESYS.COM

Scott Nguyen | info@automarinesys.com



THE DATAMARAN

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.



BLUEROBOTICS

WWW.BLUEROBOTICS.COM

Sales | sales@bluerobotics.com



BLUEBOAT

The BlueBoat is the planet's most affordable robotic surface vessel. With an innovative hull design, endless expansion possibilities, and open-source BlueOS software, it's the ideal platform for hydrographic surveys and robotics system development. (Customizable)



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CHCNAV

[HTTPS://CHCNAV.COM](https://CHCNAV.COM)

marketing@chcnav.com



APACHE3 USV

The APACHE3 is a portable shallow-draft hull with a single-beam echo sounder for bathymetric surveys of lakes, inland rivers, and coastal areas. The master control unit provides seamless 4G communication, removing the limitations of traditional network bridge base stations and transmission distances, and making hydrographic survey easier. (Customizable)



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CHCNAV

[HTTPS://CHCNAV.COM](https://CHCNAV.COM) | marketing@chcnav.com



APACHE4 USV

The APACHE4 is a USV that supports a wide variety of Acoustic Doppler Current Profiler (ADCP) systems available on the market. It offers an unmanned operation solution with a shallow draft, high navigational accuracy, and stable hovering for hydrologists when measuring water flow velocity and discharge of a current section. (Customizable)



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APACHE6 USV

The APACHE6 USV is a fully-integrated innovative solution for 3D bathymetric survey, underwater object positioning, offshore construction, underwater archaeology, and wrecked rescue. The APACHE6 is powered with a high-performance dual propeller system ensuring a stable constant automatic cruise speed of up to 2.5 m/s (7.6 fps). The survey projects can also be completed in manual mode using the APACHE6 remote control panel over a 2 km distance. The APACHE6 multibeam USV reduces survey time, improves work efficiency, and outputs high-resolution data always to match the most demanding marine survey project requirements. (Customizable)



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DEEP OCEAN ENGINEERING, INC.

WWW.DEEPOCEAN.COM

Sales | sales@deepeccean.com



PHANTOM® I-1650 USV

The Phantom® I-1650 USV is a powerful, 1.65 m, remotely controlled, battery-powered unmanned surface vessel designed and manufactured by Deep Ocean Engineering to conduct measurements of currents, bathymetry and discharge with ADCPs. (Customizable)



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DEEP OCEAN ENGINEERING, INC.WWW.DEEPOCEAN.COM

Sales | sales@deepecean.com

**PHANTOM® H-1750**

The Phantom® H-1750 USV is a powerful, 1.75 m, remotely controlled, battery-powered, catamaran-style unmanned surface vehicle designed and manufactured by Deep Ocean Engineering to conduct measurements of currents, bathymetry, discharge and surveys in a variety of environments. The advanced technology of the Phantom® H-1750 USV can be equipped with GPS, depth sounder, sonar and a variety of sensors. (Customizable)



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DOTOCEANWWW.DOTOCEAN.EU

Walter Driesen | sales@dotocean.eu

**CALYPSO**

The Unmanned Survey Platform (USP) Calypso is an inflatable, fully autonomous surface vehicle that can carry a wide range of sensors for hydrographic and environmental surveys. (Customizable)



INS | SUR | VC&L | NDT | A&T | VSK

ELBIT SYSTEMS™[HTTPS://ELBITSYSTEMS.COM/PRODUCTS/NAVAL-SYSTEMS](https://elbitsystems.com/products/naval-systems)

Corporate.Procurement@elbitsystems.com

**SEAGULL™**

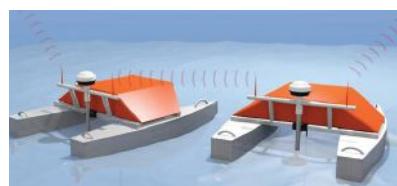
The Seagull Unmanned Surface Vessel (USV) systems have superior mine counter measures (MCM) capability. This USV facilitates end-to-end mine hunting operations, including detection, classification, location, identification and neutralization of bottom, moored and drifting sea mines while taking the sailor out of the mine field.



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EMMA TECHNOLOGIES GMBHWWW.EMMA-TECHNOLOGIES.COM | ask-emma@emma-technologies.com**BOSS**

BOSS—the first work class vehicle for environmental monitoring and inspection applications in hard-to-reach areas, difficult environments or very shallow water regions.

**HYCOPS**

HyCOPS—most advanced system for georeferenced water column sampling and imaging. True parallel survey-line piloting under harsh environmental conditions. Unique swarm capacity mode.

**EVOLOGICS GMBH**WWW.EVOLOGICS.DE

Francisco Bustamante | sales@evologics.de

**SONOBOT 5 USV**

The Sonobot 5 platform offers accurate bathymetry and side-scan sonar imaging for autonomous surveys and searches in inland waters and harbors. The highly integrated design of the Sonobot enables one-man handling. The vehicle has powerful thrusters and a full working day battery capacity. Different GNSS, single-beam echosounder, multibeam sonar, side-scan sonar options cater to various survey requirements. The AI-powered object recognition allows detection of objects of interest in side-scan sonar imagery, live during the mission.





Integrated Autonomous and Remote Systems - Seabed to Surface

Advanced Ocean Systems offers a unique spectrum of engineering, fabrication, testing, and installation capabilities designed to support defense, offshore energy, seabed infrastructure, and scientific operators with the integration of uncrewed technologies and remote systems into at-sea operations.

UNCREWED



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EXAIL

WWW.EXAIL.COM

Antony Penn | sales.robots@ecagroup.com



DRIX

DriX has been operating with major Energy and Survey companies (operators and contractors) for over a year. DriX can conduct operations with a reduced crew. Fitted with an autopilot, a Collision Avoidance System and HSE compliant, it can operate on windfarms or within rigs 500 yards exclusion zones. Its endurance ranges from 24 hours at 14 knots (top speed), to 10 days at 4 knots. Its highly hydrodynamic shape allows DriX to conduct surveys up to sea state 5. Its Launch & Recovery System (DDS), fully automatic, allows for swift and safe deployments. (Customizable)



OBS | SUR | A&T

EXAIL

WWW.EXAIL.COM

Antony Penn | sales.robots@ecagroup.com



INSPECTOR 90

The Inspector 90 USV is a multipurpose drone platform using hydrojets for its propulsion, able to be operated in autonomous mode, remote control or onboard steering. Its performances and its accuracy make it efficient in protection missions, recurrent operations, mine warfare activities and Rapid Environment Assessment. Its open design makes it possible to deploy a large range of payloads.



EXAIL

WWW.EXAIL.COM | Antony Penn | sales.robots@ecagroup.com



DRIX O-16

Exail, a leading provider of maritime autonomy solutions, has unveiled its new transoceanic uncrewed surface vessel (USV), the DriX O-16. Benefiting from an autonomy of 2,500 Nm and a unique naval architecture that enables the USV to withstand the most severe ocean conditions, the new DriX O-16 has been designed for long-duration operations (up to 30 days) and can deploy multiple payloads and subsea assets.



OBS | SUR | A&T

EYEROV

WWW.EYEROV.COM

Sales | sales@eyerov.com



EYEROV TROUT

The EyeROV TROUT can reach depths up to 300 meters below the surface of water and is linked to the surface via a 400 m long neutrally buoyant tether cable which carries both power and data. This ROV offers unparalleled maneuverability, autonomous navigation and advanced imaging capabilities suited for the most challenging environments.



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EYEROV

WWW.EYEROV.COM | Sales | sales@eyerov.com



EYEROV TUNA MINI

EyeROV TUNA Mini is an observation class ROV that goes up to a depth of 50 m and gives you live HD videos. Its dual HD cameras give multiple real-time views to the user at an instant. With higher endurance provided by multiple batteries, it is the perfect ROV for moderately demanding underwater inspections and operations.



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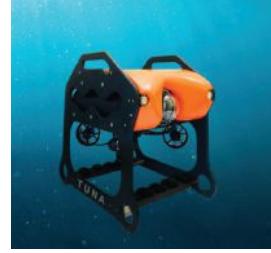


EYEROV TUNA PRO

The EyeROV TUNA PRO is an observation class ROV that goes up to a depth of 100 m and gives you live HD videos. Its dual HD cameras give multiple real-time views to the user at an instant. With higher endurance provided by multiple batteries, it is the perfect ROV for moderately demanding underwater inspections and operations.



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EYEROV TUNA STD

The EyeROV TUNA STD is an observation class ROV that goes up to a depth of 75 m and gives you live HD videos. Its dual HD cameras give multiple real-time views to the user at an instant. With higher endurance provided by multiple batteries, it is the perfect ROV for moderately demanding underwater inspections and operations. It's also designed for carrying custom payloads as per the requirement of the operation having a range of attachments and sensors.



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KEY



ENVIRONMENTAL



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FUGRO BLUE ESSENCE (12 M) AND FUGRO BLUE ECLIPSE (18 M)

Fugro's Blue Essence and Blue Eclipse USVs come with a Blue Volta electrical remotely operated vehicle (eROV) and launch-and-recovery system. This is a unique solution for efficient inspection requiring no offshore crew.



OBS | SUR

**FUGRO BLUE SHADOW**

Fugro Blue Shadow has been designed for safe and efficient hydrographic and geophysical survey operations for medium to large scale projects, in both nearshore and offshore environments. Its wave-piercing design and stability enables greater weather tolerance and the ability to operate in high sea states. Equipped with dual-band radar, automatic identification system (AIS) and 360° view cameras (including infrared for night operations), Fugro Blue Shadow has advanced situational awareness and incorporates both obstacle and collision avoidance within its navigation software to ensure operations are conducted to the highest safety standards.



OBS | SUR

GPA SEABOTS

WWW.GPASEABOTS.COM

Jaume Viñola | j.vinola@gpaseabots.com

**SB 100 PRO**

The SB 100 PRO is an unmanned surface vehicle (USV) designed to operate in environments such as harbors, marinas, reservoirs, mining lakes, rivers, coastal strip, ponds... in short, calm waters. Its special design makes it the most versatile USV on the market, capable of integrating almost any type of marine instrumentation thanks to its customized Blackbox, Ground Station and tripod, modern remote controller, frontal camera with live image among others. (Customizable)



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GRAAL TECH

WWW.GRAALTECH.COM

**MGB-300 USV**

MGB-300 is the newest Graal Tech autonomous vehicle belonging to the X-300 family. It is a USV equipped with a long-range radio device and an underwater acoustic modem. When used in combination with one or more X-300 AUVs can act as a data gateway between the underwater vehicles and the control station. Like its parent X-300, MGB-300 is characterized by high maneuverability, flexible payload modularity, and open control system, making it a unique and versatile platform that can comply with many different mission needs. (Customizable)



OBS | SUR | VC&L | NDT | A&T

H2O ROBOTICS

WWW.H2O-ROBOTICS.COM

Sales | marin@h2o-robotics.com

**H2OMNI-X**

H2Omni-X is autonomous unmanned surface platform specialized for seafloor and surface surveying, mapping and inspection. Due to its modular and clever design it can easily be operated by a single person. This means logistics and deployment are simpler than with any other similar vehicle! By using different sensors on board or configuration options, the platform can be modified for a new mission in under an hour!



SUR | INS

HI-TARGET

HTTPS://EN.HI-TARGET.COM.CN

Sales | sales@hi-target.com.cn

**IBOAT BS12**

The iBoat BS12 emerges as the embodiment of sophistication and simplicity, expertly designed for effortless operation across a multitude of applications. Engineered with the latest CFD technology and boasting a sleek carbon fiber and Kevlar hull, the iBoat BS12 is as tough as it is elegant. Its corrosion-resistant construction ensures durability in even the harshest conditions. (Customizable)



OBS | SUR

HI-TARGET

[HTTPS://EN.HI-TARGET.COM.CN](https://en.hi-target.com.cn)

Sales | sales@hi-target.com.cn



IBOAT BS3

iBoat BS3 USV is a swift and intelligent surveying unmanned surface vehicle with unmatched usability and professional hull design. It is equipped with a high-performance single beam echo sounder, high-precision GNSS positioning and on-board data control and acquisition software. The excellent sounding module offers a measurement range from 0.15 m to 300 m, able to adapt to different working environments. Besides, ADCP and side-scan sonar can also be added for versatile applications. (Customizable)



OBS | SUR

HYDRONALIX

[WWW.HYDRONALIX.COM](http://www.hydronalix.com) | Sales | info@hydronalix.com



EMILY

Since 2010 Hydronalix has partnered with the Los Angeles County Fire Department Lifeguard Division to develop EMILY (Emergency Integrated Lifesaving LanYard). Over the years Hydronalix has worked closely with fire departments in the continued development of EMILY systems. These include: Austin County Fire Department; New York City Fire Department; Denver Fire Department; Norfolk Fire Department, Houston Fire Department and hundreds of other fire departments across the US and in 23 other countries.



SUR | INS

HYDRONALIX

[WWW.HYDRONALIX.COM](http://www.hydronalix.com) | Sales | info@hydronalix.com



AMB

Optional X-Band Radar. Advanced Small Surface Robotic Systems. Fuel injected direct drive 2 KW engine with 100 W generator starter. Optional high power gimbal stabilized Electro-Optical and Infrared Cameras with auto-tracking software. Optional side scan and downward imaging sonar.



SUR | INS



AMY

Optional X-Band Radar. Fuel injected Hybrid Engine power supply 4 KW. High band width INMARSAT satellite communications. Optional side scan and downward imaging sonar. High efficiency planing hull. Bright LED Navigation lights.



SUR | INS

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HYDROSURV

[WWW.HYDRO-SURV.COM](http://www.hydro-surv.com)

info@hydro-surv.com



REAV-16

Central to the versatility and cost-economy of the REAV-16 is its small size. At 1.58m in length, and 1.17m breadth the REAV-16 is a two-person portable USV which can be rapidly mobilized to perform a wide range of hydrographic, oceanographic or environmental survey tasks within inland and sheltered waters.



SUR | INS | VC&L

NIX

M-Hull configuration provides stability at high speeds while generating virtually no wake or noise. Fuel injected Hybrid Engine power supply, available in 3 KW. Optional high power gimbal stabilized Electro-Optical and Infrared Cameras with auto-tracking software. Optional side scan and downward imaging sonar.



SUR | INS

HYDROSURV

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REAV-28

The REAV-28 delivers confident open water performance in a versatile 2.8 m package. The USV is a class-leading choice for hydrographic, oceanographic and environmental data acquisition within inland navigation, ports and harbors or nearshore coastal worksites.



SUR | INS | VC&L



REAV-40

With more than 25 kWh battery capacity packaged into a 4 m monohull design, the REAV-40 is a performant coastal or force-multiplier USV with a fully-electric powertrain. Developed under the Industrial Strategy Challenge Fund 'Robotics for a Safer World' program, the USV has been deployed for a number of applications including acoustic data harvesting from underwater instruments.



SUR | INS | VC&L



REAV-60

Developed in 2021, the REAV-60 is HydroSurv's most advanced multi-purpose USV—offering long-endurance, BVLoS capability for a wide range of offshore survey and inspection applications.



SUR | INS | VC&L

TASKS

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IN NATURE ROBOTICS LTD.

WWW.INNATUREROBOTICS.COM

Murray Lowery-Simpson
murray@innaturerobotics.com



AMOS

AMOS (Aquatic Mini Observation System) is an autonomous, solar-powered airboat used for water quality monitoring and surveying applications. It is intended for long-term deployments in inland or coastal regions, potentially in shallow water with significant amounts of vegetation. (Customizable)



OBS | SUR | VC&L | NDT | A&T

INTERNATIONAL SUBMARINE
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DORADO AND DOLPHIN USV

The Dorado USV, and its smaller predecessor Dolphin, are actively stabilized semi-submersible USVs for MCM, route survey, and AUV supervision operations. This platform is highly stable even in extreme sea states and is capable of operating in both piloted and fully autonomous modes with long standoff. The Dorado is equipped with a keel winch and tow cable up to 400 m, and a dock for a towfish such as the ISE Aurora. Dorado can survey and tow at up to 12 knots due to its powerful diesel engine. (Customizable)



OBS | SUR | VC&L | A&T

KONGSBERG DISCOVERY

WWW.KONGSBERG.COM/DISCOVERY

km.sales@km.kongsberg.com



KONGSBERG SOUNDER USV

The award-winning KONGSBERG Sounder USV system is a multi-purpose unmanned surface vehicle system with a unique hull design to ensure high performance for hydroacoustic applications. (Customizable)



OBS | SUR | A&T

A USV PRIMED FOR EFFICIENCY

Cost-effective uncrewed data collection

SeaTrac ➤



SeaTrac's SP-48 uncrewed surface vehicle (USV) is a proven platform for maritime observation, data collection and reconnaissance. Powered by the sun with high-reserve batteries, the SP-48 operates in both near-shore and offshore environments through varying weather and sea conditions.

SeaTrac's USVs execute programmed missions that can last from several hours to several months. Users can easily monitor and update missions as needed on demand, supporting human-in-the loop remote operations. The USVs include a variety of built-in sensors, and the system is designed to support a wide range of customer payloads. The SP-48 is configured with multiple redundant communication links for basic inshore and over the horizon operations, with additional options available to satisfy a variety of control and data requirements.

INTUITIVE INTERFACING

The SeaTrac Dashboard Control Software allows the pilot to manage the flow of data based on the mission needs to provide key information about the system itself and the surrounding environment. This software is used to program and execute missions while monitoring the status and health of the USV. Configured alerts also assist in piloting by sending notifications about battery levels, position alerts, incoming

traffic and other key parameters enabling one operator to manage multiple vessels.

Highly portable, this system includes a trailer for towing behind a car and a single point lift for ship-based launch and recovery.

RESEARCH & COMMERCIAL APPLICATIONS

Research and commercial vessels have high capital and operational costs. Buoys require ships for deployment, relocation and recovery.

SeaTrac's SP-48 provides a cost-effective uncrewed alternative across many applications. Some of these include:

- Metocean/Weather Data Collection
- Water Quality Monitoring and Sampling
- Hydrographic Surveys
- Data Harvesting & Communications Relays
- Passive Acoustic Monitoring
- Hydrocarbon Monitoring

SERVING PUBLIC AGENCIES

The SP-48 allows customers to maximize presence and minimize risk. It keeps the warfighter out of harm's way and provides a cost-effective method for obtaining real-time information in contested environments. The Department of Defense envisions unmanned systems seamlessly operating with manned systems to improve the warfighter's decision-making process. Some of the ways SeaTrac's platform supports government and military missions includes:

- Intelligence, Surveillance & Reconnaissance (ISR)
- Communications Relay
- UXO Survey
- Environmental Data Collection
- UUV Tracking
- Electronic Warfare/Disruption/Misdirection

seatrac.com



L3HARRIS

WWW.L3HARRIS.COM | James Cowles | James.Cowles@L3Harris.com

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**C-CAT 3**

The C-Cat 3 is a robust and easy-to-use autonomous surface vehicle (ASV) ideally suited to shallow water operations in inshore and coastal environments. The vehicle has a manually deployable keel and is capable of housing multiple standard sensors such as a USBL and MBES. (Customizable)



OBS | SUR | VC&L | A&T

**C-TARGET 13**

C-Targets are a range of lightweight, easily deployed, highly maneuverable marine targets used for naval gunnery training, weapons testing and ship command and control assessments. C-Target 13 is a high-speed vehicle capable of acting as a direct fire target or as a tow boat for inflatable targets. (Customizable)



VC&L | A&T

**C-TARGET 6**

C-Targets are a range of lightweight, easily deployed, highly maneuverable marine targets used for naval gunnery training, weapons testing and ship command and control assessments. C-Target 6 is a high-speed vehicle capable of acting as a direct fire target or as a tow boat for inflatable targets. (Customizable)



VC&L | A&T

**C-TARGET 9**

C-Targets are a range of lightweight, easily deployed, highly maneuverable marine targets used for naval gunnery training, weapons testing and ship command and control assessments. C-Target 9 is a high-speed vehicle capable of acting as a direct fire target or as a tow boat for inflatable targets. (Customizable)



VC&L | A&T

**C-WORKER 4**

The C-Worker 4 is a robust and capable ASV ideally suited to inshore and coastal survey. C-Worker 4 is a stable platform with a large payload capacity. Its 48 hour endurance and efficient fuel consumption of less than 2.5 liters of diesel an hour make it an ideal replacement for traditional survey vessels. (Customizable)



OBS | SUR | VC&L | A&T

**C-WORKER 5**

The C-Worker 5 is the ideal solution to increasing survey coverage in limited timeframes. A proven offshore survey "force-multiplier", the vehicle can operate for up to 7 days at survey speeds up to 7 knots. (Customizable)



OBS | SUR | VC&L | A&T

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James Cowles | James.Cowles@L3Harris.com



C-WORKER 7

The C-Worker 7 is a robust, offshore work-class ASV. Ideally suited for inspection and positioning applications, C-Worker 7 can negate the need for ships on station or seabed anchoring. Its 2.5 m x 1 m moon pool allows for easy integration of standard or custom payloads via an interchangeable frame. (Customizable)



OBS | SUR | VC&L | A&T

LIQUID ROBOTICS – A BOEING COMPANY

WWW.LIQUID-ROBOTICS.COM | Sales | sales@liquid-robotics.com



ECHO VOYAGER

Echo Voyager is a fully autonomous extra large unmanned undersea vehicle (XLUUV) class UUV that can be used for a variety of missions that were previously impossible due to traditional UUV limitations. Echo Voyager is complete with an extensive internal and external payload volume and available energy capacity, expanding the parameters of what is possible in current unmanned undersea systems. (Customizable)



OBS | SUR | A&T | VC&L | NDT



WAVE GLIDER

Liquid Robotics designs and manufactures Wave Gliders, the first wave, and solar-powered unmanned ocean robots. With our partners, we address many of the planet's greatest challenges, by transforming how to assess, monitor, and protect the ocean. Liquid Robotics is a subsidiary of Boeing. (Customizable)



OBS | SUR | A&T | VC&L | NDT

MARINE TECH SAS

WWW.MARINETECH.FR/EN | Magali Mouries | m.mouries@marinetech.fr



RSV DOLPHIN

The RSV Dolphin is a compact USV, dedicated to marine survey and site surveillance. Composed of 3 modules of 30 kg each (control command and electronic, hull, engines), the RSV Dolphin is easy to transport and deploy, with 6 hours endurance and up to 10 knots speed. (Customizable)



OBS | SUR | VC&L | A&T



RSV ORCA

The RSV Orca is designed for open sea marine survey and surveillance missions. Its rugged design and stability allow the RSV to achieve missions in up to 1.5 m swell and 35 knots wind. Data recorded by sensors onboard are transmitted in real time to the operator to a control command base and positioning is provided by high precision GPS, gyrocompass and motion sensor. (Customizable)



OBS | SUR | VC&L | A&T



RSV SEA OBSERVER

The RSV Sea Observer works up to sea state 4 to assist marine works, diving operations and aerial surveillance. Operated by 2 persons (remotely or autopiloted) from its control-command base, it is equipped with survey capabilities, ROV deployment for subsea inspection and captive aerial drone for surveillance on the water. (Customizable)



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MARITIME ROBOTICS

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MARINER

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.



MARINER X

The Mariner X USV is a versatile vessel with enhanced endurance and payload capacity for advanced offshore and coastal operations. Its cutting-edge technology and design offers a truly modular USV with its leading autonomous functionalities and highly customizable back deck for mounting and integrating a wide range of payloads.



OTTER

The Otter is an easily deployable and portable USV, which provides a cost-effective turnkey solution for bathymetric surveys in sheltered waters.



OBS | SUR

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DEVIL RAY T24



DEVIL RAY T38



MANTAS T8



MANTAS T12

MARTAC's portfolio consists of three USV classes: the all-electric MANTAS, the high-performance combustion Devil Ray and the expendable Muskie attack USV Classes. MARTAC's focus is on designing, producing and integrating USV Systems to augment human based missions and forces. All their systems are vertically integrated with common operating systems and the ability to integrate an extensive array of sensors and cutting-edge communication technologies based on class size, weight and power specifications. (Customizable)



INS | INT | OBS | SUR | VC&L | A&T | VSK

FORCE MULTIPLICATION MADE EASY



USVs to count on

With 25 years' experience of designing, developing, and deploying breakthrough remote marine technologies, SeaRobotics offers an industry-leading range of the uncrewed vessel classes to ensure the right USV for your operations.

**SEA
ROBOTICS**
AN ADVANCED OCEAN SYSTEMS COMPANY

searobotics.com

NAVOCEAN INC.

WWW.NAVOCEAN.COM

Stuart Lochner | sales@navocean.com

**NAV2 SAIL AND SOLAR ASV FOR DATA COLLECTION**

Made for ocean data collection, the Nav2 Self-Navigating Sailboat provides average speeds of 2 knots, continuous communications, and is built for open ocean, coastal and freshwater surveys. At only 2 meters and 85 pounds, the Nav2 is easy to launch and land from shorelines, docks or boats. (Customizable)



OBS | SUR | A&T

OCEAN POWER TECHNOLOGIES

[HTTPS://WAM-V.COM](https://WAM-V.COM) | Marine Survey Department | sales@wam-v.com**WAM-V 16' USV**

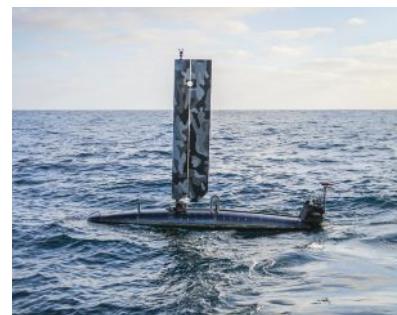
The WAM-V 16 has best-in-class portability. Transport it by trailer, or ship it using standard air freight. Launch it from the deck of a larger vessel, or assemble and launch it from shore. Able to launch and recover aerial and subsurface unmanned and autonomous systems from the stabilized central payload area. Increases the number of applications/missions from a single autonomous surface vessel.



OCEAN AERO

WWW.OCEANAERO.COM

Keith Blystone | info@oceanaero.com

**TRITON**

TRITON is the world's first and only autonomous environmentally powered ocean vehicle that sails and submerges for long-range, persistent ocean observation and data collection missions, providing intelligence gathering in some of the hardest-to-reach places on the planet. Triton can be configured to carry a variety of payloads to complete any mission. (Customizable)



OBS | SUR | A&T | VC&L | NDT

OCEAN POWER TECHNOLOGIES

[HTTPS://WAM-V.COM](https://WAM-V.COM)

Marine Survey Department | sales@wam-v.com

**WAM-V 8 ASV**

The WAM-V 8 provides best-in-class stability where it counts. Head out with the confidence you need to get the job done. The WAM-V 8 has best-in-class portability. Disassemble and pack it into shipping cases that can be checked on most US domestic airline carriers.



OCEANALPHA

WWW.OCEANALPHA.COM

Sales | Sales@oceanalpha.com

**M4OP LONG ENDURANCE MULTI-FUNCTION USV**

M4OP is a multi-purpose surveying unmanned surface vessel (USV) platform for estuary, on-shore, and offshore applications. It's designed to facilitate efficient data acquisition for construction planning and routine maintenance in the field of offshore wind farms and oil and gas exploration.



OBS | SUR | VC&L | A&T

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OCEANALPHA

WWW.OCEANALPHA.COM | Sales | Sales@oceanalpha.com



ME120 DETACHABLE HYDROGRAPHIC USV

ME120 utilizes a detachable catamaran design, making it easy for van transportation and for two people to assemble and disassemble. The 2.5 m USV is dedicated for MBES, SBES and other relatively smaller-size instruments. The Kongsberg M3 MBES is a highly recommended payload which has gone through series of testing and proved to be a highly mature and reliable solution. The payload cabin is replaceable so user can freely change and install different instruments according to mission requirements.



OBS | SUR | VC&L | A&T



SL20 AUTONOMOUS HYDROGRAPHIC SURVEY USV

SL20 is a compact and portable unmanned surface vessel (USV) for hydrographic and bathymetric surveys. Its moon pool supports flexible deployment of different instruments, including ADCP and echo-sounders. Made from carbon fiber, the 1 m SL20 weighs 17 kg, and can be easily operated and transported by one person. Its powerful battery and low power consumption ensures 6 hours of endurance while sailing in 3 knots.



SUR | VC&L | A&T



SL40 AUTONOMOUS HYDROGRAPHIC SURVEY USV

SL40 is a waterjet-propelled unmanned surface vessel (USV) dedicated for hydrographic and bathymetric surveys. The 1.6 m USV weighs 35 kg and can carry 15 kg of survey instrumentations including ADCP, water sonde, SBES, MBES or side scan sonar. The USV comes with obstacle avoidance system and RTK, and can be controlled by either a base station or a remote control. In March 2020, the Port of Hamburg introduced an SL40 USV to its Hydrographic Department for routine bathymetric survey. (Customizable)



OBS | SUR | VC&L | NDT | A&T

KEY



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OFFSHORE OIL & GAS



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SEABED MINING



OCEAN RENEWABLES



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An advertisement for the JW Fishers SeaLion-3 ROV. It features a yellow and black ROV operating in shallow water, with a QR code in the bottom left corner. The top half contains text and logos: "JW FISHERS" logo, "A new vehicle to search all environments safely and quickly... JW Fishers SeaLion-3 ROV", and a red circular "NEW PRODUCT" badge with "NEW TECHNOLOGY" text. The bottom half shows the ROV in action.

OFFSHORE SENSING AS

WWW.SAILBUOY.NO

David Peddie | info@sailbuoy.no



THE SAILBUOY

The Sailbuoy is a field proven, long endurance ocean USV. Wind and solar powered Sailbuoys perform a variety of missions, from fish and algae detection to wind and wave observations. At 2 meters long, it is easily handled by two people and the satellite communication provides real-time ocean data. (Customizable)



OBS | A&T

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POWERVISION

WWW.POWERVISION.ME/EN

POWERDOLPHIN

Equipped with a unique dual-joint rotating camera whose shooting angle is as wide as 132°, PowerDolphin can rotate to meet the above-water and underwater shooting demands, with the field of view ranging from -150° to +70° (the horizontal position is 0°, and when the camera rotates towards the underwater areas, the angle becomes negative), offering you a brand-new 220° shooting angle and visual experience.



OPEN OCEAN ROBOTICS

WWW.OPENOCEANROBOTICS.COM

info@openoceanrobotics.com



DATAEXPLORE™

Data Xplorer is a solar powered ocean drone, also called an uncrewed surface vehicle (USV). Powered by the sun, it can travel on the ocean for months at a time collecting ocean and environmental data using its suite of sensors. It sends this information back in real time through secure communication systems and clients can control the USV from anywhere in the world using our user portal. Capable of travelling in both coastal and open-ocean waters, and with a customizable platform for multiple sensor integration, it offers the ability to understand our oceans in a whole new way. Data Xplorer is designed to endure all sea states and is self righting.



OBS

OSCIUS

[HTTPS://OCIUS.COM.AU](https://OCIUS.COM.AU)

contact@ocius.com.au



BLUEBOTTLE USV

Bluebottle USVs have greater power, payload and performance compared to known competitors and are able to navigate freely and indefinitely across the world's oceans. Already, Ocius is working with two major private-sector partners to develop USVs capable of undertaking specific high value applications in hydrography and defense. (Customizable)



OBS | SUR | VC&L | A&T

PROZERO

[HTTPS://PROZERO.DK](https://PROZERO.DK)

Mail@prozero.dk



6M PROZERO OSR USV

ProZero 6m USV—the ultimate solution for autonomous oil spill response operations. This state-of-the-art un-manned surface vessel is specifically designed and expertly crafted to collaborate with other vessels and perform the most efficient offshore oil spill response missions. It will tow oil-boom equipment, enabling it to efficiently contain and clean up the spill. (Customizable)



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ENHANCED ROV ASSET INSPECTIONS

Voyis VSLAM Powered by EIVA NaviSuite



VOYIS 

Voyis VSLAM Powered by EIVA NaviSuite is an advanced visual acquisition and visualization software designed for the Discovery Stereo Vision System. This innovative tool provides real-time data quality feedback during the survey data collection process, a significant leap from traditional stereo cameras that rely on post-processing to generate finalized 3D models. With the VSLAM solution, operators can immediately determine if survey goals—such as coverage, image quality, and image overlap—are met.

REAL-TIME 3D MODELING AND DATA

The VSLAM solution continuously generates a 3D representation of the inspection environment, performing tracking and dense point cloud generation throughout the survey. Integrated into the EIVA NaviSuite interface, the system displays control options, a video stream, data quality metrics, and the evolving 3D model. This integration offers operators a comprehensive visual representation of the target, enhancing their spatial awareness and augmenting piloting capabilities. Defects can be detected in the real-time 3D model, enabling more detailed inspections of areas of interest.

ENHANCED AUTONOMY

Accurate vehicle localization and 3D data are critical for advanced autonomy features such as obstacle avoidance and dynamic path planning. The system supports low-latency video for general visual inspection (GVI) and piloting, alongside still images for inspection and real-time 3D reconstruction for survey quality control. Robust target tracking is maintained even during periods of degraded image quality, thanks to tight integration with the Discovery Stereo's Inertial Measurement Unit (IMU), or external INS/DVL packages like Sonardyne's SPRINT-Nav.

SEAMLESS INTEGRATION

Voyis VSLAM Powered by EIVA NaviSuite is offered exclusively for the Discovery Stereo and directly interfaces with EIVA NaviSuite software. This seamless integration ensures that all available survey data, including IMU



data, vehicle navigation, and high-dynamic-range images, are effectively utilized in the 3D reconstruction process. The collaboration between Voyis and EIVA, both part of the Covelya Group, merges hardware expertise with advanced survey navigation, acquisition, processing, and visualization capabilities. This synergy optimizes workflow and data management, providing customers with unparalleled confidence in their visual survey operations.

ADVANCED VISUAL MAPPING

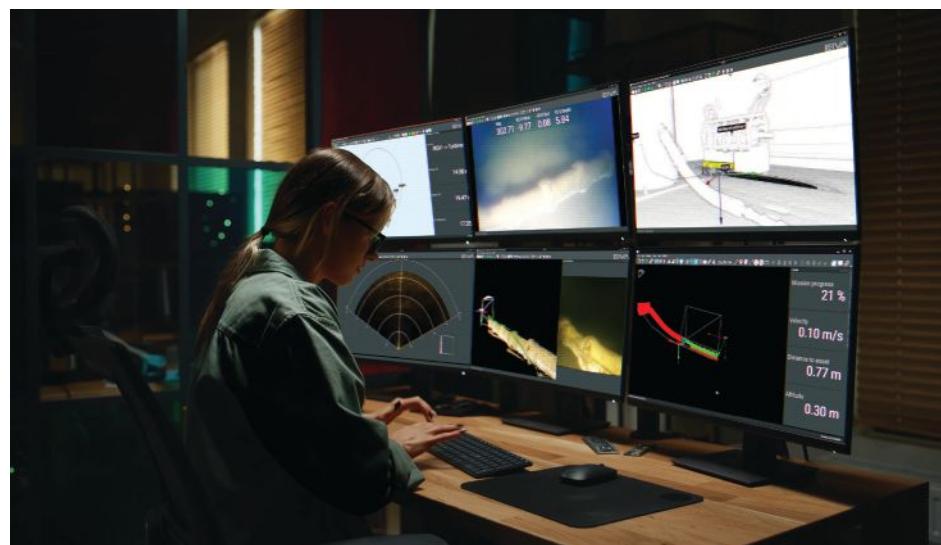
The VSLAM solution accepts still images from the Discovery Stereo Vision System, identifies features within the data, and tracks these features across sequential images. Utilizing the change in perspective between images and the precise calibration of the Discovery Stereo, the software constructs a 3D representation of the target while simultaneously tracking the

camera's position. The system detects loops in the trajectory, recognizing previously observed features to enhance model accuracy and limit accumulated error.

The result is a dense 3D point cloud built in real time as the subsea vehicle scans the structure with the Vision System. This provides survey operators with situational awareness and the ability to ensure full target coverage. The accurate real-time model verifies data quality, ensuring that survey goals are achieved.

Voyis VSLAM Powered by EIVA NaviSuite sets a new standard for ROV asset inspections, delivering real-time, high-quality data that transforms survey operations and enhances operator confidence. This solution represents the future of underwater inspections.

 voyis.com



PROZERO

[HTTPS://PROZERO.DK](https://prozero.dk) | Mail@prozero.dk

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8M USV—MOM PLATFORM

The highly complex 8-m long ProZero vessel features a very high level of onboard technology, the vessel is an unmanned and remotely controlled vessel and is used for testing related to the offshore wind power industry. (Customizable)



OBS | SUR | INS | VC&L | A&T | VSK



10M USV—MOM PLATFORM

The ProZero 10M USV is a cutting-edge unmanned surface vessel, meticulously designed for robust performance and versatility. With an overall length of 10.5 meters and a hull width of 2.4 meters, this vessel combines compact dimensions with exceptional functionality. The total width measures 3.1 meters, accommodating a variety of equipment and operational needs. The design draft is set at 1.0 meter, ensuring optimal balance and stability, with a deck height from the keel of 2.4 meters. (Customizable)



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PROZERO 8M USV

We are proud to present the ProZero 8m USV, a groundbreaking unmanned surface vessel developed through the EU-funded ENDURUNS project. Designed by Tuco Marine—ProZero Workboats, this innovative USV incorporates cutting-edge hydrogen fuel cell technology to unlock unprecedented capabilities for extended operations at sea. (Customizable)



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PROZERO

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Mail@prozero.dk



10M PROZERO ISR USV

ProZero 10 meter ISR Unmanned Surface Vessel—the ultimate solution for Intelligence, Surveillance, and Reconnaissance operations. This state-of-the-art unmanned vessel is specifically designed and expertly crafted to perform exceptional ISR missions in any marine environment. (Customizable)



OBS | SUR | INS | VC&L | A&T | VSK

ROVCO

[WWW.ROVCO.COM](http://www.rovco.com)

Sales | sales@rovco.com



C-WORKER 5

The C-Worker 5 is an autonomous vehicle designed to support hydrographic survey work and to increase survey coverage in limited timeframes. A proven offshore survey “force-multiplier”, the vehicle will operate from the Glomar Supporter mothership, in supervised autonomy mode. (Customizable)



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SAIDLDRONE

[WWW.SAILDRONE.COM](http://www.saildrone.com)

Matthew Woody | sales@saildrone.com



SAIDLDRONE EXPLORER

The Saildrone Explorer is a long-range, long-endurance USV for metocean, CO₂, and fisheries missions. Propelled by the wind, it has a zero operational carbon footprint and can stay at sea for up to a year. No other platform can collect high-resolution data above and below the sea surface with the endurance of the Saildrone Explorer. (Customizable)



OBS | VC&L | A&T

SAILDRONE

WWW.SAILDRONE.COM | Matthew Woody | sales@saildrone.com



SAILDRONE SURVEYOR

The 65-foot Saildrone Surveyor USV provides International Hydrographic Organization-compliant multibeam ocean mapping down to 36,000 feet that exceeds the quality delivered by traditional methods. Operating without crew, the Surveyor can map continuously, delivering high-quality hydrographic information faster at a fraction of the cost of survey ships. (Customizable)



OBS | SUR | VC&L | A&T



SAILDRONE VOYAGER

The Saildrone Voyager fuses passive acoustics, radar, cameras, and advanced machine learning to deliver comprehensive situational awareness from anywhere in the ocean. The Voyager detects vessels and maritime mammals, and carries metocean sensors and bathymetry sonar. Saildrone offers solutions for defense and homeland security challenges like illegal fishing, drug interdiction, and safety of navigation. (Customizable)



OBS | SUR | VC&L | A&T

SEA MACHINES

HTTPS://SEA-MACHINES.COM

Phil Bourque | pbourque@sea-machines.com



SELKIE

As the first turnkey autonomous vessel released by Sea Machines, SELKIE is poised to revolutionize industries ranging from hydrographic surveying, offshore asset inspection, and persistent on water operations such as security and environmental studies. SELKIE is the ideal full solution USV for any task-driven workboat fleet operator. (Customizable)



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SEA-KIT INTERNATIONAL

WWW.SEA-KIT.COM

James Hopper | j.hopper@sea-kit.com



SEA-KIT H CLASS USV

The H-class features a composite hull for higher transit speeds, giving it greater range and endurance, as well as active stabilizers to minimize roll. The new design has 12 m and 15 m variants, with the 12 m version transportable in a standard shipping container for rapid, low-cost deployment. Both variants can be davit launched.



OBS | SUR



SEA-KIT X CLASS USV

SEA-KIT X is a remotely controlled, versatile and configurable USV platform that can launch and recover remote vehicles, enabling missions including deep-water bathymetry, offshore and subsea asset inspection and hydrographic survey with reduced risk to personnel, significantly decreased costs and lower environmental impact. The SEA-KIT X class design holds Unmanned Marine Systems certification from Lloyd's Register. (Customizable)



OBS | SUR | VC&L | A&T | NDT

SEAFLOOR SYSTEMS, INC.

WWW.SEAFLORSYSTEMS.COM

Josh Grava | info@seafloorsystems.com



SEAFLOOR UNMANNED & AUTONOMOUS VESSELS

Seafloor has been building USVs for over a decade. We lead the market with dynamic platforms that extend the capabilities of traditional survey equipment, enabling surveyors to remotely analyze otherwise challenging environments. Applications include inspection and survey of mines, sewage treatment plants, contaminated lakes, and rivers. Both remotely controlled and autonomous navigation suites available. Check out our turnkey USV platforms to efficiently conduct missions on water, reduce time spent in the field, and save on labor costs. (Customizable)



OBS | SUR | VC&L | A&T

SEAROBOTICS CORPORATION

WWW.SEAROBOTICS.COM | info@searobotics.com

KEY

**HYCAT**

Integrated series of customizable plug-and-play sensors, making it one of the most versatile tools for water quality survey on the market. The HYCAT is SUV-portable and easy to launch, with no ramp or dock access required. Ideal for water quality studies, bathymetry, water velocity, remote data acquisition, and depth measurement. (Customizable)



OBS | SUR | NDT | A&T

**SR-CYBERHELM SYSTEMS**

Autonomous conversion made simple. The SR-CyberHelm options put you in control of your ASV design and build. Whether you wish to retrofit an existing marine asset or incorporate one of our packages into a new vessel, we have the on-staff engineering expertise and fabrication resources to ensure seamless integration and interfacing. (Customizable)



OBS | SUR | INS

**SR-ENDURANCE 7.0**

SR-Endurance 7.0 is a aluminum workboat class multi-mission ASV, suitable for a range of coastal and offshore operations. The SR-Endurance 7.0 has diesel-electric hybrid propulsion, an automated A-frame boom type launch and recovery system (LARS) and can be operated as a manned or unmanned vessel. The level of autonomy can be configured per mission. (Customizable)



OBS | SUR | INS | NDT | A&T

TASKS

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INTERVENTION**B&T**
BURIAL &
TRENCHING**SR-ENDURANCE 8.0**

The SR-Endurance 8.0 can carry out uncrewed missions of up to 14 days, uninterrupted, making it ideal for offshore inspection, ocean research, and ongoing marine surveillance operations. This model features a hydrographic winch and a simple A-Frame over-boarding assembly, including an instrumented over boarding sheave capable of launching and recovering ROVs. (Customizable)



OBS | SUR | INS | NDT | A&T

**VSK**
VEHICLE STATION
KEEPING**WT**
WORK TOOLS

SEAROBOTICS CORPORATION

WWW.SEAROBOTICS.COM | info@searobotics.com

**SR-SURVEYOR M1.8**

The integrated MBES allows surveyors to cover large swath width hydrographic survey data more efficiently and capture a 360-degree view of all data points. Central to the design is a Velodyne Puck LiDAR for terrestrial mapping, a distinct advantage when inspecting coastal infrastructure, such as near-shore pipelines or surveying bridges, offshore rigs. (Customizable)



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SUBTEC® SYNTACTIC BUOYANCY

Formulated to produce ultra-high strength-to-weight characteristics, our low-density syntactic buoyancy materials are engineered for use in seawater depths down to 11,500 metres.

Low density

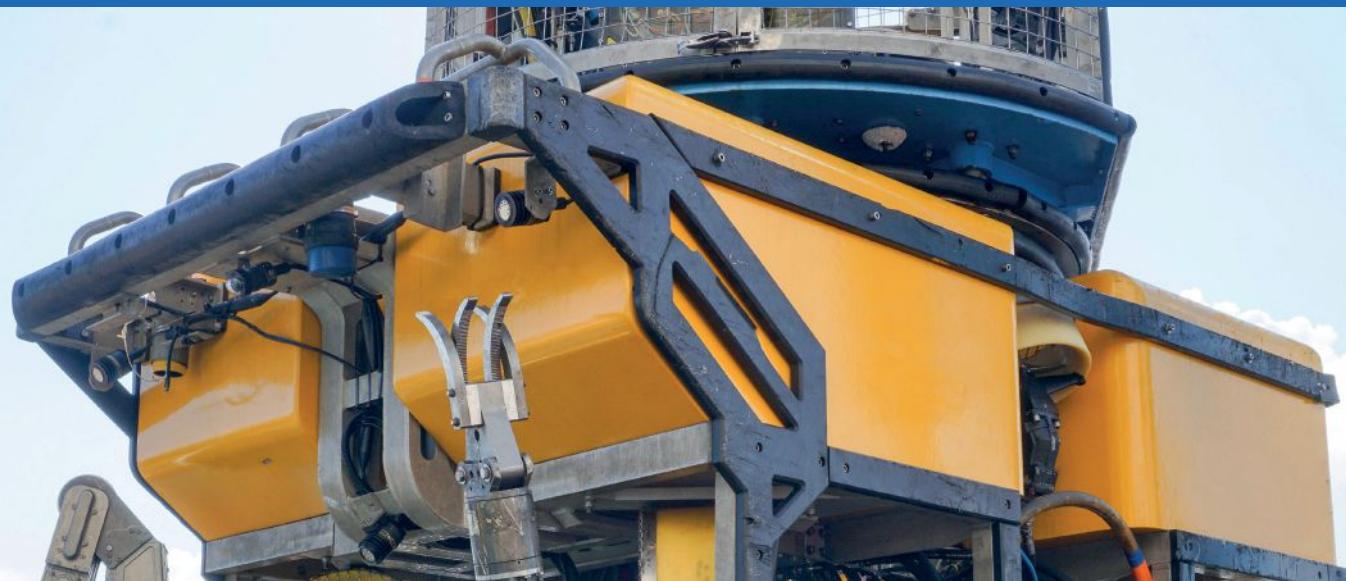
Maximum uplift

Full ocean depth

Excellent water ingress resistance

Available as material blocks or completed modules to your design specifications

Not quite ready for a new set of buoyancy modules yet? Our subsea buoyancy repair and refurbishment service provides an alternative solution as modules get worn and damaged, extending life to give you maximum usage.



Experts in high-performance syntactic materials

Visit our website or scan the QR code to find out more

base-materials.com



SEAROBOTICS CORPORATION

WWW.SEAROBOTICS.COM | info@searobotics.com

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**SR-UTILITY 2.5**

While compact (2.5 m in length), the SR-Utility 2.5 is a comprehensive hydrographic system which features multibeam, echo sounders, support sensors, as well as an SV cast winch, deployment cart and road trailer. (Customizable)



OBS | SUR | INS | NDT | A&T

**SR-UTILITY 3.0**

The 3.0 was originally designed as a Heavy Load Water Sampling ASV in 2019 but has been developed to carry an interchangeable suite of customizable sensors and payloads. We call it our "Pick-Up Truck" ASV given its versatility and durability. (Customizable)



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**SR-UTILITY 3.6**

The SR-Utility 3.6 is a collapsible, multifunctional ASV that offers large vessel capabilities in a package that is easily transported and stored (in two standard 65" pallet containers). This vehicle is designed specifically to support large multibeam sonar systems and is available with an optional autonomous sound velocity cast winch. (Customizable)



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SEAROBOTICS CORPORATION

WWW.SEAROBOTICS.COM

info@searobotics.com

**SR-UTILITY 5.7**

The SR-Utility 5.7 is a heavy payload, long endurance USV and customizable for various applications. Featuring a large configurable payload deck, this USV is transported in a 20 ft container. The onboard sensor suite includes single- or multi-beam echo sounders, sub-bottom profilers, side scan sonar, CTD, spectrometers, ADCPs, magnetometers, and cameras. SeaRobotics can provide and integrate various additional sensors and equipment upon request. (Customizable)



OBS | SUR | INS | VC&L | A&T | VSK

SEATRAC SYSTEMS, INC.

WWW.SEATRAC.COM | Sales | sales@seatrac.com

**SEATRAC SP-48**

The SP-48 is a persistent solar powered USV used to perform real-time data collection and communications in all marine environments for scientific, commercial and defense applications. With its large power and payload capacity, the SP-48 can be customized with best-in-class combinations of payloads including high-powered sensors during any one mission. (Customizable)



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DRIVING SUBSEA EFFICIENCY

LUMA™ Wireless Optical Modems

The subsea sector, particularly within the oil, gas, and wind markets, relies heavily on work-class remotely operated vehicles (WROVs) for the construction, maintenance, and monitoring of underwater infrastructure. These operations, launched from offshore supply vessels, are notably expensive. Traditionally, WROVs use wet-mate physical connectors, underwater LED displays, or acoustic modems to collect data from subsea instruments and sensors. However, these methods often consume more time than necessary, adding to the cost of subsea campaigns.

In this context, LUMA™ wireless modems have emerged as a game-changing technology, offering significant time and cost savings. Utilizing optical communication to stream data through water, LUMA™ provides high-speed connectivity with minimal latency, high bandwidth and very low power consumption, greatly enhancing the efficiency of subsea operations.

QUALITY DATA QUICKER

Traditional acoustic modems transmit data through sound waves, which can be slow and prone to interference. WROVs, equipped with powerful thrusters, generate noise that can interfere with acoustic communication, leading to data gaps and extended operation times.

In contrast, LUMA™ modems use light for data transmission, enabling rapid and reliable data exchange in a noisy environment and even in more challenging turbid water conditions. This high-speed connectivity reduces the time WROVs need to remain on station, facilitating quicker data collection and minimizing vessel time.

SIGNIFICANT COST SAVINGS

Ashtead Technology, a leading subsea rental and service company, recognized the benefits of LUMA™ modems early on. Its clients increasingly use LUMA™ for critical subsea missions. Ross McLeod, Integrated Projects Director at Ashtead Technology, stated:

"Conventionally, underwater displays and/or acoustic modems are used to acquire data from our AMS+ (Autonomous Monitoring System). With the integration of the Hydromea LUMA™ wireless optical modem, the data rate, response time, and reliability of communication were significantly improved."

"The impact of these improvements is substantial. By saving considerable vessel time during subsea campaigns, LUMA™ modems can translate into significant cost savings, especially when considering the recurring nature of subsea interventions and the constant need for infrastructure maintenance."

HYDROMEA

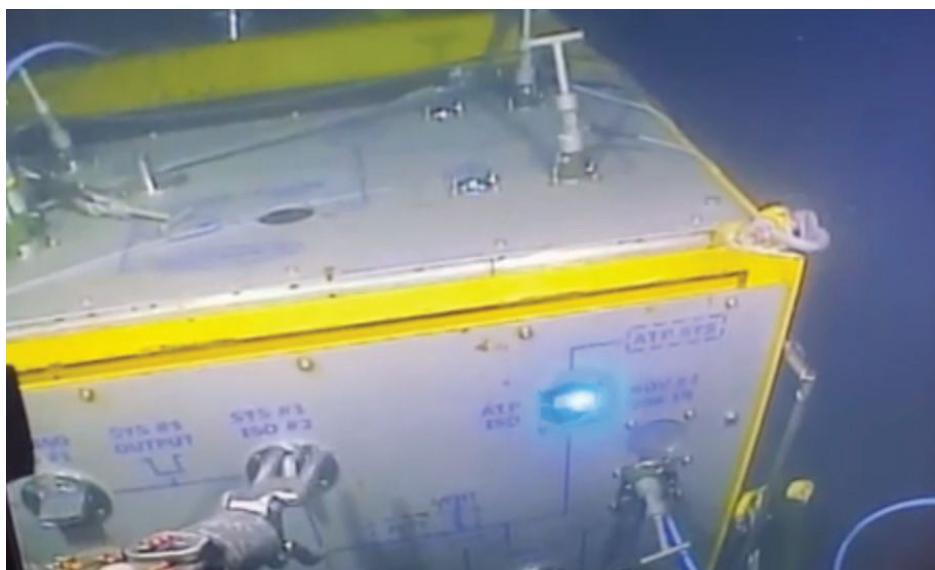


▲ LUMA™ transmits data from a sediment collection sensor at 4300m depth. (Credit: Geomar)

"The initial project proved that Hydromea's LUMA™ wireless optical modems, integrated with Ashtead's data management systems, can reduce risk and add value to many subsea monitoring applications where real-time data access is critical across subsea construction and life-of-asset support operations. We quickly recognized the added value created by the inclusion of LUMA™ technology and decided to integrate the modems with each of our AMS+/DMS for subsequent deployments."

By adopting LUMA™ wireless optical modems, the subsea industry can achieve greater efficiency and cost-effectiveness, driving forward advancements in underwater operations and infrastructure maintenance.

i hydromea.com



▲ Left: LUMA™ streaming hydrotest data. (Credit: Subsea7). Above: Ashtead AMS with LUMA™. (Credit: Ashtead Technology)

SUBSEA TECH

WWW.SUBSEA-TECH.COM | Sales | st.sales@subsea-tech.com

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CATAROB

Catarob has been especially designed to carry out tele-operated or autonomous inspection, survey and modeling missions in shallow inland waters and harbor areas. Lightweight and compact, the Catarob is easily transported and deployed by a single operator. Open architecture and high speed PC to PC communication allow integrating multiple sensors. (Customizable)



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CAT-SURVEYOR

CAT-Surveyor is a teleoperated or autonomous USV allowing acquisition of hydrographic data or surveillance for inland waters, harbor and coastal areas. High payload capacity (80 kg) allows embedding multiple sensors for scientific, defense and civil missions. CAT-Surveyor was the first USV able to launch a mini-ROV. (Customizable)



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SEACAT

The SeaCAT USV is a sea going catamaran type drone designed for automatic or remotely controlled inspection and survey missions on offshore infrastructures. SeaCAT offers an innovative multi-drone platform by supporting an ROV and a UAV to carry out inspection below and above water with a single control interface. (Customizable)



SUR | OBS

SUBSEASAIL LLC

WWW.SUBSEASAIL.COM

Michael Jones | mbjones@subseasail.com



GEN7 MONOHULL OBSERVATION VESSEL & RIGID PAM ARRAYS

San Diego-based SubSeaSail is developing affordable, autonomous, 100% energy harvesting, long-duration, submerging sailing platforms & sensors. SSS has three lines of business: 1) monohull, semi-submersible observation vessels; 2) multi-hull, surface cargo vessels; 3) unique sensors ideally suited for these vessels including rigid Passive Acoustic Monitoring (PAM) Arrays & weather station. (Customizable)



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TELEDYNE OCEANSCIENCE

WWW.TELEDYNEMARINE.COM/OCEANSCIENCE | Sales | oceanscience.sales@teledyne.com



Q-BOAT 1250

Teledyne Oceanscience Q-Boats® are the number one choice for reliable remotely-controlled data collection in streams, rivers, lakes and coastal waters. The new Q-Boat 1250 has been designed specifically for shallow water flow and discharge measurements. This one-man portable remote vehicle is easy to set up, easy to operate, and accepts most industry standard ADCPs. (Customizable)



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Q-BOAT 1800

The Teledyne Oceanscience Q-Boat® 1800 with ruggedized design and interchangeable sensor well, offers an entirely new option for high-resolution shallow-water hydrographic surveying. The boat offers multibeam bathymetry data where conventional methods are not feasible or safe, and helps avoid mobilizing a workboat or vessel of opportunity. (Customizable)



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Z-BOAT 1250

The Z-Boat 1250 is easy to operate. The integrated echosounder and lightweight, resilient ABS hulls make the Z-Boat 1250 convenient for a single operator. At under 50 pounds fully outfitted with instrumentation, the unit is easily single person portable. (Customizable)



SUR | NDT | A&T



Z-BOAT 1800

The Teledyne Oceanscience Z-Boat® 1800 with ruggedized design and interchangeable sensor well, offers an entirely new option for high-resolution shallow-water hydrographic surveying. The boat offers multibeam bathymetry data where conventional methods are not feasible or safe, and helps avoid mobilizing a workboat or vessel of opportunity. (Customizable)



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Z-BOAT 1800T - TRIMBLE EDITION

The Teledyne Z-Boat 1800T, is a high-resolution shallow water hydrographic unmanned survey vehicle created in collaboration with Trimble Marine Construction. (Customizable)



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UNI-MAX

Unique Group's Uni-Max, previously called Uni-Cat, is developed to complement larger vessels used for survey and support tasks where a smaller vehicle is better suited to missions. It allows surveying in locations and situations in which deployment of conventional platforms is not practicable. The Uni-Max will feature 2 Torqeedo Cruise 6.0RS Engines with Hydraulic Steering. (Customizable)



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UNI-MINI

The Uni-Mini USV is a compact and lightweight vehicle which can be used in the shallow area survey. With a facility to integrate with the choice of transducer and GPS system. The Uni-Mini can perform all the survey tasks with minimal effort and manpower. The features enable the user to perform all hydrographic survey operations from land with minimal to low risk levels. (Customizable)



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UNI-PACT

The Uni-Pact has been developed to complement larger vessels used for survey and support tasks where a smaller vehicle is better suited to missions, offering efficient bathymetry from an unmanned platform. Made of asymmetric tough moulded polyethylene catamaran hull and an alloy deck, the Uni-Pact is incredibly stable and versatile. Its ability to work in shallow coastal waters that cannot be accessed safely by manned survey vessels has proven its worth. (Customizable)



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UNMANNED SURVEY SOLUTIONS

WWW.UNMANNEDSURVEYSOLUTIONS.COM

James Williams | info@unmannedsurveysolutions.com



ACCESSION USV

The Unmanned Survey Solutions (USS) Accession Class USV is designed by surveyors, for surveyors. The modular design allows for base boat length of 3.50 m to extend to 4.25 m or 5.00 m by adding additional hull sections. Payload agnostic and fully customer configurable the Accession USV offers unrivalled versatility for coastal and offshore deployments. (Customizable)



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INCEPTION MK1 USV

The Unmanned Survey Solutions (USS) Inception Class MK1 USV has been developed to meet the demanding requirements of the shallow water sector. This hydrographic survey vessel is composed of tough aluminum hulls, weed cutting propellers and equipment to provide bathymetric surveys in areas using single beam sonars where access for a traditional survey vessel is restricted. (Customizable)



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XOCEAN

WWW.XOCEAN.COM

Sales | sales@xocean.com



XO-450 USV

XOCEAN's USVs offer full unmanned Over The Horizon operations using satellite communications. Each USV sends real-time images and situational awareness data to XOCEAN's Operations Centre where a team of qualified USV pilots keep watch and control the vessels 24/7. XOCEAN's USV pilots are responsible for collision avoidance.



SUR | OBS

YSI INTEGRATED SYSTEMS & SERVICES

WWW.YSI.COM | YSI Systems | ysi.systems@xyleminc.com



HYCAT—AUTONOMOUS SURFACE VEHICLE

The HYCAT Autonomous Surface Vehicle (ASV) is the newest element in the Xylem brand Autonomous and Remote Vehicle Monitoring Solutions. This unique ASV combines products from multiple brands to provide a total solution for your site. Sensors have plug-and-play capabilities, allowing the HYCAT to be customized to your specific site needs. (Customizable)



SUR | OBS | NDT | A&T



RQPOD REMOTE SURFACE WATER VEHICLE

The YSI rQPOD is a lightweight, easy-to-assemble propulsion system that can fit to many board-style platforms. It allows users to collect data over a large spatial area in minutes, and in areas otherwise inaccessible. The 2.4 GHz remote control allows operators to control the system from up to 250 meters with a clear line of sight, with real-time data visualization options that allow users to make mission changes and decisions on the spot. (Customizable)



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ZYCraft

WWW.ZYCRAFT.COM

ysi.systems@xyleminc.com



VIGILANT IUSV

The Vigilant IUSV is a state of the art multi-mission unmanned vessel. It is the only USV in the world that features the Seakeeper™ system stabilization onboard resulting in exceptional seakeeping that optimizes system performances, especially at loiter speeds. These technologies enable the IUSV to remain effective at sea for long periods of time making it a real force multiplier. (Customizable)



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ZELIM

HTTPS://WWW.ZELIM.CO/

enquiries@zelim.co



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GUARDIAN

As a first of its kind, the 8 m 'Guardian Class' combines Zelim's innovative Swift Rescue Conveyor with a Fast Rescue Craft that has unmanned operation capability. Guardian is designed for speed and incorporates Zelim's two-step recovery system. The system's real-time, AI-based casualty detection can spot and track multiple casualties in the water in all conditions. Guardian will feature remote command and control capability, making it the world's first uncrewed rescue vessel.



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SURF ZONE ROBOTICS

Amphibious vehicles merge domains

Headquartered in Richmond, Vermont, and with operations in Plymouth, Massachusetts, USA, Greensea IQ's Bayonet autonomous underwater ground vehicles (AUGVs) represent a series of amphibious tracked vehicles designed for a multitude of tasks. These vehicles seamlessly transition from deep ocean environments to the surf zone and onto the beach, making them indispensable for operators in various nearshore marine environments.

STABLE AND ADAPTABLE

Built on OPENSEA, Greensea IQ's robotics platform, all Bayonet's amphibious crawlers offer the most stable and adaptable operating systems in marine robotics. OPENSEA equips Bayonet AUGVs with unparalleled capabilities, including precise navigation, vehicle autonomy, remote operation, and seamless component and payload integration, setting them apart in the tracked vehicle market.

THE BAYONET LINEUP

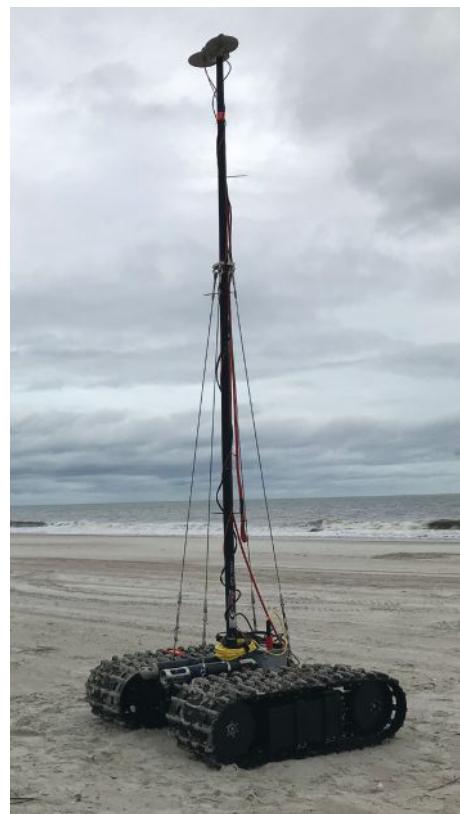
Bayonet's three vehicle sizes—the Bayonet 150, 250, and 350—enable customers to scale vehicle size, configuration, and power to

meet specific payload, operation duration, and environmental demands.

- **Bayonet 150:** A two-person portable vehicle designed for non-heavy weather conditions, small boat deployments, and smaller payloads. Standard dimensions are 44 x 36 x 10 inches (112 x 91 x 25 cm). It offers a dry range of 6 nmi (11 km) and 8 nmi (15 km) for wet operations.
- **Bayonet 250:** This model also offers two-person portability and tool-free assembly in the field. With a deck capacity of 200 lbs. (90 kg), it is designed to withstand heavier weather and support more substantial payloads. Standard dimensions are 48 x 48 x 12 inches (122 x 122 x 30 cm).
- **Bayonet 350:** The largest in the lineup, this model handles the harshest conditions and heaviest payloads, and is available with all "wheel" drive. Standard dimensions are 60 x 72 x 14 inches (152 x 183 x 36 cm). It can achieve speeds of 1.8 km/h and is depth rated to 100 meters.

LITTORAL WORKHORSE

The Bayonet AUGV can be deployed from land



or water, regardless of weather conditions. It is uniquely designed to operate along the ocean floor and on land, making it the only robotic platform capable of working from the beach through the surf zone and up to 100 meters in depth.

Bayonet AUGV applications include hydrographic survey, wind farm survey and maintenance, littoral defense (such as UXO/mine detection and clearance), coastal dredging support, environmental monitoring of seafloor and beach zones, river and marsh surveys, and wharf inspections.

Equipped with various optional environmental, oceanographic, hydrographic, benthic, and industry-specific sensors, the Bayonet AUGV simplifies work in the littoral zone by carrying larger sensor payloads on the seafloor, suitable for numerous commercial and military applications.

greenseaIQ.com/bayonet



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ALSEAMAR

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SEAEXPLORER

The SeaExplorer is the ultimate low-logistics and user-friendly glider designed for Oceanographic, Defense and Oil & Gas applications. Its rechargeable battery and its fully interchangeable payloads greatly simplify its maintenance, allowing huge savings in terms of time and money, making it the glider with the lowest cost of ownership on the market. (Customizable)



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DEEPINFAR OCEAN TECHNOLOGY

WWW.DEEPINFAR.COM/EN | Sales | info@deepinfar.com



SEA WING (HAIYI) UNDERWATER GLIDER (AUG)

The Underwater Glider is a new type of underwater robot driven by buoyancy and attitude angle. Featuring a low cost, long battery life, reusability and a certain degree of track-controlling in the sea, it plays important role in maneuvering, high resolution and fine observation of multi-scale ocean processes. (Customizable)



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DEL MAR OCEANOGRAPHIC

WWW.DELMAROCEAN.COM | Chris Kontoes | chris@delmarocean.com



WIREWALKER

The Wirewalker is a vertically profiling instrumentation-platform, powered by ocean waves. Through the Wirewalker's rapid profiling and ability to integrate a wide variety of sensor payloads, it brings new life to typical one-dimensional sensor time-series as a 2D depth-time image where an enormous increase in information and intuition is achieved. (Customizable)



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EXOCETUS AUTONOMOUS SYSTEMS

WWW.EXOCETUSSYSTEMS.COM | Joe Turner | turner@exocetusssystems.com



MOD2 GLIDER

The MOD2 Glider™ is the next step forward in long duration subsea monitoring. Designed for the user, the glider can be easily configured, features a large sensor bay, and runs open software that can support both off-the-shelf and custom sensors. The powerful engine autonomously transitions through fresh and salt water. (Customizable)



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Chris DeCollibus | webbresearch@teledyne.com



SLOCUM GLIDER

The Slocum glider is a buoyancy driven AUV which enables long-endurance, remote water column observation for academic, military, and commercial applications. Slocum gliders are modular, allowing for a variety of sensor and payload options for oceanographic observations. Over 60 sensors and other options are available to address a wide variety of ocean conditions and sampling requirements. (Customizable)



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TELEDYNE WEBB RESEARCH

WWW.TELEDYNEMARINE.COM/WEBB-RESEARCH

Chris DeCollibus | webbresearch@teledyne.com



SLOCUM SENTINEL GLIDER

The Slocum Sentinel Glider is the next generation of autonomous ocean gliders—this ultra-long endurance uncrewed vehicle allows for over a year of persistent ocean monitoring and has the size and energy to address the widest range of oceanographic missions. (Customizable)



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Pushing Core Data to New Depths

Bluefield's custom penetrometer system wirelessly pairs with any work class ROV to perform CPT and T-Bar testing for seabed site investigation surveys to 6,000 meters



GEOSERVICES



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PRECISION PIPE PROFILING

Sonar brings clarity to underwater inspection



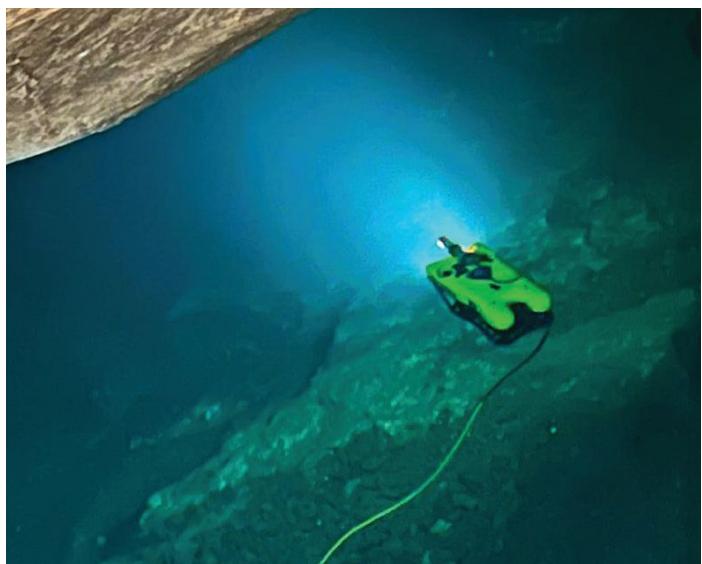
The Imagenex Model 831L Pipe Profiling Sonar represents a significant advancement in the field of internal pipeline inspection and scientific research. This high-frequency sonar system is specifically designed to provide detailed profiles of pipelines and other liquid-filled conduits, even in challenging environments. With its 2.25 MHz frequency and a profiling type transducer that is fluid compensated, the Model 831L delivers high-resolution images with a range resolution of 0.5 mm, ensuring that even small defects or features can be detected.

One of the key features of the Model 831L is its ability to perform 360° scans in just 1.3 seconds for ranges up to 1 meter, making it an incredibly efficient tool for rapid inspections. The sonar operates effectively within a range of 0.125 m to 6 m (full scale), allowing for versatility in various pipeline sizes and conditions. With a low power requirement of less than 5 Watts, it is suitable for deployment in remote or difficult-to-access locations.

IDEALLY SUITED FOR ROV DEPLOYMENT

The hardware of the Model 831L is robust, ensuring durability and longevity in harsh underwater environments. It can operate at depths of up to 1,000 meters and supports a standard cable length of 100 meters on CAT5e.

The compact size of the Model 831L, with dimensions of 61 mm in diameter and 347 mm in overall length, and its lightweight design, weighing just 1.2 kg in air and 0.4 kg in water, make it an ideal choice for deployment in confined spaces and for use with remotely operated vehicles (ROVs). The built-in pitch/roll sensor further enhances its functionality by providing accurate orientation data, which is crucial for precise measurements and profiling.



831L and ROV being deployed for tunnel mapping. (Credit: Era Marine)



Imagenex 831L Pipe Profiler integrated on the VideoRay Defender. (Credit: Era Marine)

HI-RES DATA CAPTURE

In terms of data handling, the Model 831L is equipped with an Ethernet interface for easy integration into existing systems. The sonar data is recorded in a .31L file format, with each 'shot' appending bytes that include file header information, external sensor info, sonar return data header, and the actual sonar data. This structured approach to data management facilitates the analysis and interpretation of sonar readings.

The software specifications are equally impressive, with the PipeSonarL.exe application supporting Windows operating systems from XP to Windows 11. The user interface is designed for ease of use, offering polar and rectangular grid types, a variety of range scales, and the ability to adjust train angles and sector size for customized scanning.

VERSATILITY IN THE FIELD

The Model 831L is not only a tool for pipeline inspection but also serves as an invaluable asset for scientific research, providing researchers with the ability to gather detailed acoustic images and profiles of underwater structures and environments. Its high-resolution capabilities and robust design make it suitable for a wide range of applications, from monitoring the integrity of industrial pipelines to studying the morphology of natural underwater formations.

Overall, the Imagenex Model 831L Pipe Profiling Sonar is a sophisticated piece of equipment that offers unparalleled performance in underwater pipeline inspection. Its combination of compact design, advanced features, and user-friendly software makes it a top choice for professionals in the field of marine research and infrastructure maintenance.

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https://aquaticdrones.eu/

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Nygårdsviken 1
5165 Laksevåg Norway
 Sales
 +47 56 11 30 50
sales@argus-rs.no
www.argus-rs.no

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Sebaldsbruecker Heerstr. 235
28309 Bremen Germany
 +49 421 457-02
info@atlas-elektronik.com
www.atlas-elektronik.com

AutoNaut Ltd.

USV

Unit J, Heath Place
Bognor Regis PO22 9SL UK
 +44 1243 511421
Info@AutoNautUSV.com
www.autonautusv.com

Autonomous Marine Systems

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info@automarinesys.com
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 Jeff Conger
 +1 (800) 680-7071
jeff_conger@hotmail.com
https://blue-linked.com/

BlueRobotics

Observation ROV, USV

2740 California
St. Torrance, CA 90503 USA
 Sales
sales@bluerobotics.com
www.bluerobotics.com

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Transittgata 10
Trondheim, 7042
Norway
 +47 40 00 46 43
contact@blueye.no
www.blueyerobotics.com

Boston Engineering Corp.

AUV

300 Bear Hill Rd.
Waltham, MA 02451 USA
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info@boston-engineering.com
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Boxfish Robotics

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www.boxfish.nz

CADDEN**USV**

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44300 Nantes France

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www.cadden.fr/en

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Chance Maritime Technologies**Observation ROV with Payload Option**

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Lafayette, LA 70508 USA

👤 Sales

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577 Songying Road
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www.chcnav.com

Copenhagen Subsea A/S**Observation ROV with Payload Option**

Troljevej 2

2900 Hellerup Denmark

👤 Allan Nygård Bertelsen

📞 +45 70 22 11 62

sales@copenhagensubsea.com
www.copenhagensubsea.com

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2403 Qume Dr.
San Jose, CA 95131 USA

👤 Sales

📞 +1 (408) 436-1102

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www.deepocean.com

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TEDA Hi-Tech Industrial Park, No.
45, Muning Road, Binhai New Area,
Tianjin

👤 Sales

📞 400-806-2688

info@deepinfar.com
www.deepinfar.com/#/en

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10457 Roselle St., Suite A,
San Diego, USA

👤 Chris Kontos

📞 +1 (858) 524-3300

chris@delmarocean.com
www.delmarocean.com

Delair Marine**Observation ROV with Payload Option**

61 Boulevard des Dames
13002 Marseille, France

seasam@delair.aero

www.delairmarine.com

DEMCON | Unmanned Systems**USV**

Delftelpark 23
2628 XJ Delft The Netherlands

📞 +31 88 115 20 00

unmanned@demcon.com
<https://demcon-unmanned.nl/>

DOER Marine Operations**Observation ROV with Payload Option, Work Class ROV**

650 W Tower Ave
Alameda, CA 94501 USA

📞 15105309388

info@doermarine.com
www.doermarine.com

DotOcean**USV, Towed & Bottom Crawling Vehicles**

Gistelse Steenweg 294 box 205
8200 Sint-Andries (Brugge) Belgium

📞 +32 50 68 30 54

sales@dotocean.eu
www.dotocean.eu

DWTEK Co., LTD**Observation, ROV with Payload Option**

No.22 Dong Ying Rd., East District
Taichung City 401 Taiwan

📞 +886 435024890

info@dwtek.com.tw
www.dwtekmarine.com

Eddyfi Technologies**Towed & Bottom Crawling Vehicles**

812 W 13th Street
Deer Park, TX 77536-3166 USA

👤 Sales

📞 +1 281-542-3292

<https://www.eddyfi.com>

Edgelab Srl**AUV**

c/o CSCA, Via della Ferriera, 1
57037 Portoferraio (LI) Italy

📞 +39-0187 1822943

edgelab@edgelab.eu
www.edgelab.eu

EdgeTech**Towed & Bottom Crawling Vehicles**

4 Little Brook Rd
West Wareham, MA 02576 USA

👤 Sales

📞 +1 (508) 291-0057

info@edgetech.com
www.edgetech.com

EIVA a/s**Towed & Bottom Crawling Vehicles**

Niels Bohrs Vej 17
8660 Skanderborg Denmark

📞 +45 2048 7737

eiva@eiva.com
www.eiva.com

MANUFACTURER LISTINGS / A-Z

Emma Technologies GmbH

USV

Felmer Strasse 4b
24251 Osdorf/Kiel Germany
 +49 431 2609370
ask-emma@emma-technologies.com
www.emma-technologies.com

EPRONS ROV Ltd.

Observation ROV

11 Audupes Street
Riga, LV1030 Latvia
info@eprons.eu
www.eprons.eu

EvoLogics GmbH

AUV, USV

Wagner-Régeny-Straße 4
12489 Berlin, Germany
 +49 30 4679 862-0
sales@evologics.de
www.evologics.de

EyeRov

USV

Maker Village, Kerala Technology
Innovation Zone
Kalamassery, Kochi,
Kerala—683503 India
 Sales
 977-863-1176
sales@eyerov.com
www.eyerov.com

Exail

**Observation ROV, Observation
ROV with Payload Option,
Work Class ROV, Towed Bottom
Crawling**

France

 Antony Penn

sales.robots@exail.com
www.exail.com

Exocetus Autonomous Systems Gliders & Profilers

7 Laser Lane
Wallingford, CT 06492 USA
 Joe Turner
 +1 (860) 512-7260 Ext. 3
jturner@exocetussystems.com
https://www.exocetus.co/

Forssea Robotics

**Observation ROV with Payload
Option**

472 rue du Phare de Roquerols
34200 Sète France
 Gautier Dreyfus
 +44 (0) 1751 431751
gdreyfus@forssea-robotics.fr
www.forssea-robotics.fr

Forum Subsea Technologies

**Observation ROV with Payload,
Work Class ROV, Towed &
Bottom Crawling Vehicles**

10344 Sam Houston Park Drive,
Suite 300, Houston, TX 77064, USA
 +44 (0) 713 329 8230
Subsea.Sales@f-e-t.com
https://f-e-t.com/subsea/

Fugro

**Observation ROV with Payload,
USV**

Fugro, Americas
6100 Hillcroft Avenue,
Houston, TX 77081 USA
 Hugh Parker
 +1 713 369 5600
h.parker@fugro.com
www.fugro.com

General Dynamics Mission Systems – Bluefin Robotics Products

AUV

553 South Street
Quincy, MA 01201 USA
 Adam Mara
 +1 (617) 715 7014
Adam.Mara@gd-ms.com
www.gdmissonsystems.com/sea

GNOM ROV

Observation ROV

36 Nakhimovskiy prospect
117997 Moscow Russia
 +7 499 1292045
gnom@gnom-rov.com
https://gnomrov.com

GPA Seabots

USV

Calle Maracaibo 1, Nave 2-6
Barcelona, Spain
 Jaume Viñola
 +34637858008
j.vinola@gpaseabots.com
www.gpaseabots.com

Graal Tech s.r.l

AUV, USV

Via Jacopo Ruffini 9R
16128 Genova Italy
 +39 010 8597680
info@graaltech.it
www.graaltech.com

Greensea IQ

**Towed & Bottom Crawling
Vehicles**

10 E. Main Street
Richmond, VT 05477 USA
 +1.802.434.6080
info@greenseaiq.com
https://greenseaiq.com

H2O-Robotics

USV

Unska 3
10 000 Zagreb
Croatia
 Sales
 +385 91 3105 480
marin@h2o-robotics.com
www.h2o-robotics.com

Hi-Target

USV

Unit 335, 3/F, My Loft 9 Hoi Wing
Road, Tuen Mun New Territories
Hong Kong
 Sales
 852 3188 8923
Sales@hi-target.com.cn
en.hi-target.com.cn

HR Wallingford

Observation ROV

Howbery Park, Wallingford
Oxfordshire, OX10 8BA
United Kingdom
 +44 1491 822899
info@hrwallingford.com
https://equipit.hrwallingford.com/

HullWiper

**Towed & Bottom Crawling
Vehicles**

P.O. Box 17041
Dubai
United Arab Emirates
 971 4 805 9144
enquiries@hullwiper.co
www.hullwiper.co/why-hullwiper

Huntington Ingalls Industries
AUV, Gliders & profilers
 4101 Washington Ave.
 Newport News, VA 23607 USA
 Sales
 +1 508-563-6565
uxs.customerservice@hii-tsd.com
<https://hii.com/>

Hydromea
Observation ROV, Observation ROV with Payload
 Avenue de Longemalle 9
 1020 Renens, VD Switzerland
 Alexander Bahr
 +41 78 746 86 39
alexander.bahr@hydromea.com
www.hydromea.com

Hydronalix
USV
 Green Valley, AZ USA
 Alexander Bahr
 +1 520-203-8351
info@hydronalix.com
www.hydronalix.com

HydroSurv
USV
 Unit 7 Bishops Court Gardens
 Bishops Court Lane
 Clyst St. Mary UK
 +44 (0) 7800 799 260
info@hydro-surv.com
www.hydro-surv.com

Impossible Metals
Observation ROV
 2265 E Foothill Blvd
 Pasadena, CA 91107 USA
 Sales
 +1 (408) 660-3944
info@impossiblemetals.com
<https://impossiblemetals.com/>

In Nature Robotics Ltd.
USV
 116 Ferguson Road,
 Hanwell, Canada
 Murray Lowery-Simpson
 +1 (506) 457-8365
murray@innaturerobotics.com
www.innaturerobotics.com

Independent Robotics
AUV
 Montreal, QC Canada
 +1 (646) 789-4022
info@independenterobotics.com
www.independenterobotics.com

International Submarine Engineering Ltd. (ISE)
Work Class ROV, Towed & Bottom Crawling Vehicles, AUV, USV
 1734 Broadway Street
 V3C 2M8 Canada
 Sales
 604-942-5223
info@ise.bc.ca
www.ise.bc.ca

Israel Aerospace Industries
AUV
 Ben Gurion International Airport
 70100 Israel
iai-communications@iai.co.il
<https://www.iai.co.il/>

IQUA Robotics SL
AUV
 Pic de Peguera 11
 Girona 17003, Spain
 Joseta Roca
 +34972183311
info@iquarobotics.com
www.iuarobotics.com

JAIA Robotics
AUV
 22 Burnside St.
 Bristol, RI 02809 USA
 Ian Estaphan Owen
 1 (401) 214-9232
ian@jaia.tech
www.jaia.tech

J.W. Fishers Manufacturing
Observation ROV, Towed & Bottom Crawling Vehicles
 1953 County St
 East Taunton,
 MA 02718 USA
 Brian Fisher
 (800) 822-4744
info@jwfishers.com
www.jwfishers.com

Kawasaki Subsea (UK) Limited
AUV
 2 Queen's Gardens
 Aberdeen, Scotland, AB15 4YD UK
contact@khisubsea.co.uk
www.khisubsea.co.uk

Kongsberg Discovery
AUV, USV
 Headquarters, Kirkegårdsvagen 45
 NO-3616 Kongsberg Norway
 +47 32 28 50 00
km.sales@kongsberg.com
www.km.kongsberg.com

Kraken Robotics
Towed & Bottom Crawling Vehicles
 Canada
 Sales
post@kystdesign.no
www.kystdesign.no

Kystdesign AS
Observation ROV with Payload, Work Class ROV
 EIKESKOGVEGEN 80
 5570 AKSDAL Norway
 Åge Holsbrekken
sales@krakenrobotics.com
www.krakenrobotics.com

L3Harris
USV, AUV
 Corporate Headquarters
 1025 W. NASA Boulevard,
 Melbourne, FL, 32919 USA
www.L3Harris.com

Liquid Robotics – A Boeing Company
USV
 1329 Moffett Park Drive
 Sunnyvale USA
 Sales
 +1 408 636 4200
sales@liquid-robotics.com
www.liquid-robotics.com

Lockheed Martin
AUV
 6801 Rockledge Drive
 Bethesda, MD 20817 USA
 Media
 (301) 897-6000
media.relations@lmco.com
[https://www.lockheedmartin.com/en-us/index.html](http://www.lockheedmartin.com/en-us/index.html)

MANUFACTURER LISTINGS / A-Z

MacArtney Towed & Bottom Crawling Vehicles

Gł. Guldagervej 48
DK-6710 Esbjerg V
Denmark

 Sales
 +4576132000

sales@macartney.com
www.macartney.com

Marine Imaging Technologies Observation ROV

P.O. Box 1997
North Falmouth, MA 02556 USA
 David Ullman
 (617) 394-1188
Info@marineimagingtech.com
<https://marineimagingtech.com>

MarineNav Observation ROV

Panmure Island Road
Panmure Island, PE COA 1R0
Canada
sales@marinenav.ca
www.marinenav.ca/index.html

Mariner Underwater Electronics Observation ROV with Payload Option, Work Class ROV

20-22 Pilis str.
Piraeus Greece
 +30 210 4100656 -57
marhge@otenet.gr
<https://mariner.gr>

MarineTech SAS USV

64 rue de la garde
83140 Six Fours les Plages France
 Jean-Luc Pierrisnard
 +33 (0)9 54 82 10 52
contact@marinetech.fr
<https://www.marinetech.fr/en/>

Mariscope Meerestechnik Work Class ROV, Observation ROV with Payload Option, Observation ROV, Towed & Bottom Crawling Vehicles

Redderkoppel 6A
Kiel / 24159 Germany
 Niklas Becker
 (+49) 4316 0837645
n.becker@mariscope.de
www.mariscope.de

Maritime Robotics

USV
Brattørkaia 13 B
7010 Trondheim Norway
 +47 73 40 19 00
info@maritimerobotics.com
www.maritimerobotics.com

MARTAC

USV
N. John Rodes Blvd., Ste. 103
Melbourne, FL, 32934 USA
 +1 (321) 292-9443
info@martacsystems.com
www.martacsystems.com

Nauticus Robotics

AUV
17146 Feather Craft Ln #450
Webster, TX 77598 USA
 (281) 942-9069
<https://nauticusrobotics.com/>

Navocean Inc.

USV
SEATTLE USA
 Stuart Lochner
 +1 (206) 849-9005
sales@navocean.com
www.navocean.com

Notilo Plus

**Observation ROV with Payload
Option**
Le Castel Héritage, 61 Boulevard
des Dames
13002 MARSEILLE France
 +33 667531704
contact@notiloplus.com
www.notiloplus.com

Ocean Aero, Inc.

USV, AUV
50 East Pier Rd
Gulfport USA
 Keith Blystone
 +1 (312) 315-6120
info@oceanaero.com
www.oceanaero.com

Ocean Modules

**Observation ROV with Payload
Option**
Örsätter Industriegallerian
S-597 94 Åtvädaberg Sweden
 +46 (0)120 12800
info@ocean-modules.com
www.ocean-modules.com

Ocean Power Technologies

USV
28 Engelhard Drive, STE B
Monroe Township, NJ 08831 USA
 +1 609 730 0400
<https://oceantpowertechnologies.com>

Oceanalpha

USV
RM 702,7/F SPA Centre, NO.53-55
Lockhart Road, Wan Chai
Hong Kong
 Sales
Sales@oceanalpha.com
www.oceanalpha.com

Oceanbotics

**Observation ROV with Payload
Option**
15375 Barranca Parkway
Building I-112
Irvine, CA 92618 USA
 Sales
 (949) 656 8038
wprice@oceanbotics.com
www.oceanbotics.com

Oceaneering International, Inc.

**Observation ROV with Payload
Option, Work Class ROV, AUV**
11911 FM 529
Houston, TX USA
 Sales
 +1 (713) 329-4500
rov-services@oceaneering.com
Sales@oceaneering.com
www.oceaneering.com

Oceanscan-MST LDA

AUV
Av. Liberdade, Polo Mar UPTec
4450-718 Leça da Palmeira
Matosinhos Portugal
 +351 220 301 576
info@oceanscan-mst.com
www.oceanscan-mst.com

Offshore Sensing AS

USV
Fantoftvegen 38
5072 Bergen Norway
 David Peddie
 +91652190
info@sailbuoy.no
www.sailbuoy.no

Open Ocean Robotics**USV**4476 Markham Street, #2L
Victoria, BC, V8Z 7X8 Canada **David Peddie**

+1 (250) 580-2628

info@openoceanrobotics.com
www.openoceanrobotics.com**Oscius****USV**22 King St
Randwick NSW 2031 Australia

+61 2 9924 6400

contact@ocius.com.au

<https://ocius.com.au/>**Outland Technology****Observation ROV, Observation ROV with Payload Option**38190 Commercial Court
Slidell, LA 70458 USA

+1 (985) 847-1104

sales@outlandtech.com
www.outlandtech.com**Pelagic Research Services****Observation ROV with Payload Option**657 Persons Street
East Aurora, NY 14052 USA

(508) 514-6044

info@pelagic-services.com
<https://pelagic-services.com/>

web2/

Pliant Energy Systems**Observation ROV**63 Flushing Ave, Bldg.280 Ste.614
Brooklyn, NY 11205 USA **Pietro Filardo**

+1 (646) 327-7401

filardo@pliantenergy.com
www.pliantenergy.com**Poseidon Robotics, LLC****Observation ROV with Payload Option**813 West Elliot Road
Chandler, Arizona 85225 USA **Christine Schubert**

+1 480-558-6499

christine@poseidonrov.com
www.poseidonrov.com**PowerDocks LLC****USV**151 Martine Street, Suite 107
Fall River MA USA **Anthony Baro**

+1 (401) 489-2273

abaro@power-docks.com
www.power-docks.com**PowerVision****USV**1875 S Grant St #520
San Mateo, CA 94402
www.powervision.me/en**Prozero****USV**Tuco Yacht Værft ApS
Krogsbjergvej 2
5600 Faaborg Denmark

+45 70 20 38 98

Mail@tuco.dk

<https://prozero.dk/>**QinetiQ North America****AUV, Towed & Bottom Crawling Vehicles**358 Second Avenue
Waltham, MA 02451 USA

+1 (781) 684-4000

contactus@qinetiq-na.com

www.qinetiq-na.com**QYSEA****Gliders & Profilers**1/F, Phase 2, Galaxy Incubator
No.1 YaNan Road, Bantian Street
Longgang District
Shenzhen, Guangdong China

+86-0755-2266-2313

support@qysea.com

[https://www.qysea.com/](http://www.qysea.com/)**Reach Subsea****Observation ROV**Møllervegen 6
NO-5525 Haugesund, Norway

+47 400 07 710

post@reachsubsea.no

[https://reachsubsea.no/](http://reachsubsea.no)**Remotion****Towed & Bottom Crawling Vehicles**Forusbeen 210
4313 Sandnes, Norway

+47 51 67 76 76

operations.norway@remotion.no

www.remotion.no**Robosea****Work Class ROV, Observation ROV, AUV, Towed & Bottom Crawling Vehicles**Room 301, 3/F, Building 1, No.10
Courtyard, Kegu 1st Street,
Beijing Economic-Technological
Development Area
Beijing, China

+400-6288198

hello@robocean.com

www.robosea.org**ROVCO****USV**Bridgewater House, Counterslip
Redcliffe, Bristol BS1 6BX UK **Sales**

+44 117 230 0001

sales@rovco.com

www.rovco.com**Rovotics****Work Class ROV**

United Arab Emirates

+971(0)65579539

sales@rovotics.ae

www.rovotics.ae**RTsys****AUV**ZA de Kerloïc - Rue Jean-Noël Jégo
56850 CAUDAN France **Corentin Troussard**

+33 297 898 580

enquiries@rtsys.fr

www.rtsys.eu**SAAB Seaeye****Observation ROV with Payload Option, Work Class ROV, AUV**20 Brunel Way, Segensworth East
Fareham PO15 5SD UK **James Douglas**

+44 (0) 1489898000

solutions@saabseaeye.com

www.seaeye.com**Saildrone****USV**1050 W Tower Ave
Alameda, CA 94501 USA **Matthew Woody**

+1 (415) 670 9700

sales@saildrone.com

[https://www.saildrone.com/](http://www.saildrone.com/)

MANUFACTURER LISTINGS / A-Z

SAIPEM

ROV

Via Luigi Russolo, 5
20138 Milano (MI) Italy

📞 +39 0244231

media.relations@saipem.com
<https://www.saipem.com/en>

Sea Machines Robotics

USV

226 Causeway Street
Boston, MA 02114 USA

✉️ Frank Relou

📞 +31628841200

frelou@sea-machines.com
<https://sea-machines.com>

SEA-KIT International

USV

Blackwater House, Woodrolfe Road,
Tollesbury, Essex, CM9 8SE UK

✉️ James Hopper

📞 +44 (0) 1206 625180

j.hopper@sea-kit.com
www.sea-kit.com

SeaDrone

ROV

974 Commercial Street
CA 94303-4932 USA

📞 (928) 257-2826

<https://seadronepro.com>

Seafloor Systems, Inc.

USV

4415 Commodity Way
Shingle Springs, CA 95682 USA

📞 +1 (530) 677-1019

info@seafloorsystems.com
www.seafloorsystems.com

Seamor Marine

Observation ROV, Observation ROV with Payload Option

1914 Northfield Rd
Nanaimo, BC V9S 3B5 Canada

✉️ Sales

📞 250 729 8899

sales@seamor.com

<https://seamor.com>

SeaRobotics Corporation

USV, Towed & Bottom Crawling Vehicles

7765 SW Ellipse Way
Stuart, FL 34997 USA

📞 +1 (772) 742-3700

info@searobotics.com

www.searobotics.com

Seatechs

Work Class ROV, AUV

Edisonstraat 67,
Numansdorp, 3281 NC
The Netherlands

✉️ Sales

📞 +31(0) 186 68 00 00

sales@seatechs.com

www.seatechs.com

SeaTrac Systems, Inc.

USV

100 Hoods Lane
Marblehead, MA 01945 USA

✉️ Ping Tuck Chai

📞 +1 (617) 981-4620

sales@seatrac.com

www.seatrac.com

Seateronics

Observation ROV with Payload Option

Denmore Road
Bridge of Don, Aberdeen,
AB23 8JW UK

✉️ Jamie Neilson

📞 +44 (0)1224 85310

jamie.neilson@seatronics-group.com
www.seatronics-group.com

Shark Marine Technologies Inc.

Observation ROV with Payload Option

23 Nihau Drive St. Catharines,
Ontario L2N 1L2 Canada

📞 +1 (905) 687-6672

sales@sharkmarine.com
www.sharkmarine.com

SMD

Work Class ROV, Towed & Bottom Crawling Vehicles

Turbinia Works, Davy Bank
Wallsend NE28 6UZ UK

✉️ Rob Eddon

rob.eddon@smd.co.uk
marketing@smd.co.uk
www.smd.co.uk

SRS | Strategic Robotic Systems

AUV, Observation ROV

6444 Nancy Ridge Drive
San Diego, CA 92121 USA

✉️ Nick Devine

📞 +1-619-335-5983

info@srsfusion.com

www.srsfusion.com

SubC Imaging

Towed & Bottom Crawling Vehicles

327 Memorial Drive
Clarenville, Newfoundland, A5A 1R8
Canada

✉️ Ian McMillan

📞 +1 (709) 702-0395

ian.mcmillan@subcimaging.com
www.subcimaging.com/

Submersible Systems Inc.

Observation ROV with Payload Option, Work Class ROV

7413 Slater Ave
Huntington Beach, CA 92647 USA

📞 +1 (985) 395-0999

wolfgang@ssirovs.com
www.ssirovs.com

Subsea Tech – Marine and Underwater Technologies

USV, Observation ROV, Observation ROV with Payload Option, Towed & Bottom Crawling Vehicles

167 plage de l'Estaque
13016 Marseille France

✉️ Sales

📞 +33 491517671

st.sales@subsea-tech.com
www.subsea-tech.com

SubSeaSail, LLC

USV

4420 Hotel Circle Court Suite 215
San Diego USA

✉️ Michael Jones

📞 +1 (619) 253-8761

mbjones@subseasail.com
www.subseasail.com

Sunfish

AUV

Texas USA

✉️ Alberto Lopez

explore@sunfishinc.com
[https://www.sunfishinc.com](http://www.sunfishinc.com)

TechnipFMC Schilling Robotics

Work Class ROV

201 Cousteau Place
Davis, CA 95618 USA

✉️ Hamish Stewart

📞 +44 784 156 8023

✉️ Karen Matherne

📞 +1 530 747 2741

schilling.sales@technipfmc.com
[https://www.technipfmc.com/en/what-we-do/subsea/robotics/](http://www.technipfmc.com/en/what-we-do/subsea/robotics/)

Teledyne Gavia**AUV**

Vesturvör 29
200 Kópavogur Iceland

Sales

+354 511 2990

gavia_sales@teledyne.com
www.teledynemarine.com

Teledyne Oceanscience**USV**

49 Edgerton Drive
North Falmouth, MA 02556 USA

Sales

+1 (858) 842-2600

Oceanscience.sales@teledyne.com
www.teledynemarine.com/oceanscience

Teledyne SeaBotix**Observation ROV with Payload Option**

49 Edgerton Drive
North Falmouth, MA 02556
USA

Sales

+1 (508) 563-1000

Seabotix_Inquiries@teledyne.com
www.teledynemarine.com/seabotix

Teledyne Webb Research**Gliders & Profilers**

49 Edgerton Drive
North Falmouth MA 02556 USA

Chris DeCollibus

+1 (508) 563-1000

webbresearch@teledyne.com
<https://www.teledynemarine.com/webb-research>

ThyssenKrupp**Observation ROV**

thyssenkrupp Allee 1
45143 Essen
Essen, Germany

Sales

+49 201 844 0

info@thyssenkrupp.com
<https://www.thyssenkrupp.com/en/home>

Unique Group**USV**

2109 Emmorton Park Rd, Suite 112
Edgewood, Maryland 21040 USA

+1 909 626 8316

buoyancyballast@uniquegroup.com
www.uniquegroup.com/

Unmanned Survey Solutions**USV**

Unit 7 Hayle Marine Renewables
Business Park, North Quay
Hayle, Cornwall, TR27 4DD UK

James Williams

+44 (0)1872 630070

james@unmannedsurveysolutions.com
www.unmannedsurveysolutions.com

VideoRay LLC**Observation ROV, Observation ROV with Payload Option**

212 East High Street
Pottstown, PA 19464 USA

+1 (610) 458-3000

sales@videoray.com
www.videoray.com

XOcean**USV**

XOCEAN, Greenore Co.
Louth, IA91 E765 Ireland

+353 42 9419200

info@xocean.com
www.xocean.com

YSI Integrated Systems & Services**AUV, USV**

1725 Brannum Lane
Yellow Springs, OH 45387 USA

+1 (937) 688-4255

ysi.systems@xyleminc.com
www.yssi.com/systems

Zelim**USV**

Garreg Lwyd
Llanrhaeadr Denbigh,
Clwyd LL16 4PW Scotland

Sales

enquiries@zelim.co
<https://www.zelim.co/>

ZyCraft**USV**

237 Pandan Loop,
128424 Singapore

(65) 8828 7194

sales@zycraft.com
<https://www.zyraft.com/index.php>

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Delivering the durability and reliability crewed and uncrewed subsea applications demand, Base Materials' Subtec® buoyancy materials perform in even the most challenging underwater environments at water depths from 2,000 meters to 11,500 meters.

With 385–650 kg/m³ densities, the Subtec® materials comprise high-grade hollow glass microspheres and a novel thermoset polymer matrix, producing ultra-high strength-to-weight characteristics with excellent water

ingress resistance. Customers can also benefit from an optional addition of a polyurethane (PU) protective coating for impact and abrasion resistance, aesthetic paint finishes and custom markings.

Base Materials provides a full end-to-end service where finished Subtec® buoyancy modules are manufactured to exact customer specifications and drawings, with a newly formed team working closely with its supply chain network.

Alternatively, the organization is also able to provide seven grades of Subtec® material in standard block sizes ready for use, each color-coded to ensure depth ratings match within buoyancy assemblies.

AN ALTERNATIVE APPROACH

Alongside the supply of new buoyancy modules, Base Materials understands the need for an alternative solution as modules get worn and damaged. Its UK-based repair and refurbishment service provides a more sustainable alternative to purchasing new



Available in seven grades, Subtec® materials can be manufactured to exact customer specifications and drawings.

buoyancy modules. The service extends the service life and optimizes the return on investment of old, damaged, and worn buoyancy modules while reducing waste to landfill.

The service comprises a full inspection of the buoyancy module to review the material core, highlighting any damage, breakage, or corrosion of metallic inserts, weight in air and weight in water calibrated testing, and a dimensional laser scan.

Base Materials produces an in-depth report showing the extent of the damage, the full scope of work, and detailing the required actions to bring them back to operational standard with associated costs and timescales.

MEETING SUBSEA BUOYANCY DEMANDS

With an unwavering focus on innovation, quality, and collaboration, Base Materials is committed to delivering cutting-edge subsea buoyancy solutions that meet the evolving needs of the industry and the highest technical requirements.

base-materials.com

Subtec® materials are engineered for use at depths from 2,000 meters down to 11,500 meters.



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N-3676 Notodden Norway

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👤 Mark Wieneke
📞 +1 (805) 364-0570
www.aqueossubsea.com
mwieneke@aqueossubsea.com
418 Chapala Street, Suite E and F
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📞 1 905-643-3283
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dmichel@asi-group.com
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Stoney Creek ON, L8E 5P1 Canada

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📞 65.6465.0498
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admin@cabaco.com.sg
48 Toh Guan Rd E.
608586 Singapore

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👤 Charlie Foll
📞 44.1935.426.000
www.atlantasmarine.com
crf@atlantasmarine.com
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Challenger Way, Yeovil BA22 8XG UK

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📞 +1 (604) 984-8383
www.canpacmarine.com
ryan.anderson@canpacmarine.com
5 Senator Rd Unit 7
North Vancouver, BC V7P 3H9 Canada

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📞 +33 561.394.700
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📞 +61 8 6102 6510
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info@dofsubsea.com
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+1 (225) 673-2163
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+1 (401) 553-3041
www.eclipse.us.com
ssaintamour@eclipse.us.com
1997 Annapolis Exchange Parkway,
Suite 300
Annapolis, MD 21401 USA

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+39.0187.914138

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edgelab@edgelab.eu

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<http://systems.fastwave.com.au/>

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+61 (08) 94094391

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Mike Langden

+1 (206) 623-0621

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3840 W. Marginal Way SW

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David Malak

+1 (248) 745-8456

www.hibbardinshore.com

dave.malak@hibbardinshore.com

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+47 934 54 568

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+33 09.54.82.10.52

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<https://pharosoffshoregroup.com>
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gregory.maurin@subsea-tech.com

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Jason White

+1 (910) 962-2317

www.uncw.edu/uvp

whitejh@uncw.edu

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Autonomous systems from seabed to surface

Advanced Ocean Systems (AOS) was founded in late 2021 with a singular mission: to support offshore operators with the custom engineering, manufacturing, and installation services needed to manage cradle-to-grave ocean systems projects. Today, as a Small Business, AOS offers a unique spectrum of capabilities designed to integrate autonomous and remote systems—from seabed to the surface—into the at-sea operations of the defense, offshore energy, subsea infrastructure, and scientific markets.

While a relatively new name to the market, AOS is backed by over 45 years of highly specialized marine engineering product design; more than 20 years of fielding breakthrough uncrewed marine technology platforms; and nearly 25 years of delivering complex subsea system integration and multistakeholder project management. Such weighty credentials—afforded the Group by its well-established subsidiaries, SeaRobotics, Ocean Specialists,

and Okeanus Science & Technology—have allowed AOS to establish a unique position in the ocean systems integration market.

A CAPABILITIES COMPANY

AOS is laser focused on bringing cost-effective technical innovation and systems integration expertise to the field, be that a battlefield, offshore energy field, or any other marine environment. Central to the Group's ambitions is the steady introduction, integration, and expansion of autonomous and remote systems, common ground to AOS' affiliate companies:

SeaRobotics offers both commercial-off-the-shelf USVs and fully custom options, with rapidly deployable, fully integrated models (SR Surveyor Class), mid-sized units designed to offer greater in-field versatility and pair with interchangeable payloads (SR Utility Class), and a series of larger USVs that maximize range and endurance in challenging waters (SR Endurance Class).



Ocean Specialists has completed over 200 international projects for government and commercial partners around the globe, designing and delivering end-to-end project management, supplier integration services, and the evaluation, planning, and installations of critical seabed infrastructure, such as submarine cable networks and subsea nodes.

Okeanus has fielded a growing range of heavy-duty winches and custom LARS to deploy uncrewed surface vehicles (USVs), remotely operated vehicles (ROVs), and autonomous underwater vehicles (AUVs), as well as other subsea assets. In addition, Okeanus offers an extensive pool of leased equipment that can be mobilized quickly from strategic locations.

But it is the sum of these parts, and the cross-company synergies that AOS prioritizes in its collective offering, that demands attention.

READY TO SERVE

The rate at which the ocean industry embraces true autonomy will undoubtedly hinge on the capacity for trusted system developers to pool their refined talents to rapidly assess, develop, and scale practical solutions that effectively leverage the promise of remote operations.

AOS' unique expertise in creating custom solutions for such a broad range of clients over almost a century of documented collective systems R&D know-how places the Group in a unique position to satisfy our customer's critical needs for autonomous and remote solutions, from seabed to surface, and from rapid prototyping to full-scale system developments.

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<https://abelrovtraining.com>
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Atlantas Marine



Observation, Survey, Inspection
📞 +44 (0)1935 426000
info@atlantasmarine.com
www.atlantasmarine.com/training
Unit 38, Glenmore Business Park
Challenger way
Yeovil, Somerset BA22 8XG UK

Blueye Robotics



Observation, Survey
📞 +47 40 00 46 43
contact@blueye.no
www.blueyerobotics.com/webinar/free-digital-rov-course-june-24
Transittgata 10
Trondheim, 7042 Norway

Blue Rover



Observation, Survey, Inspection
📞 +44 (0) 1489 559 751
info@blue-rover.co.uk
www.blue-rover.co.uk/rovtraining
370b Brook Lane
Sarisbury Green
Southampton SO31 7ZA UK

Boxfish Robotics



Observation, Survey, Inspection
📞 +64 9 600 1910
info@boxfish.nz
www.boxfishrobotics.com/support/rov-training
234A Orakei Road
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www.driftoffshore.com/rov-training-courses

ecoSUB Robotics



Survey
📞 +44 (0)333 800 8818
sales@ecosub.uk
www.ecosub.uk/support.html
Unit 16, Camberley Business Centre
Bracebridge
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📞 +371 26467575
info@eprons.eu
<https://eprons.lv/en/rov-production/rov-pilot-training-course>
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Aberdeen AB23 8JW Scotland

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Inspection
📞 +40 725 402 822
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155 Ridge Road
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info@marinesolutions.co.za
<https://marinesolutions.co.za/rov-pilot-tech-training/>
22 Carlisle Street, Paarden Eiland
Cape Town South Africa

MECDCO



Observation
📞 +971 569878081
info@mecdco.com
<https://mecdco.com/rov-courses>
3 Eskander Ebrahim St. Miami
Alexandria UAE

MTCS



Observation, Survey, Inspection
📞 +44 15394 40200
enquiries@mtcs.info
<https://mtcsuk.com/industries/rov-training/>

Oceaneering



Sales
📞 +1 713 329-4500
rov-services@oceaneering.com
Sales@oceaneering.com
[www.oceaneering.com/rov-services/rov-personnel-training](https://oceaneering.com/rov-services/rov-personnel-training)
11911 FM 529
Houston, TX USA

OMNE

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QSTAR ROV Training Center

Observation
+34 619 686 473
www.rovtrainingcentre.com/cursos.html
C/Sao Paulo 17
Las Palmas de Gran Canaria Spain

Rovotics

Observation, Survey, Inspection
+971(0)65579539
sales@rovotics.ae
<https://rovotics.ae/training-support>
Sharjah United Arab Emirates

SAAB Seaeye

Observation, Survey
+44 (0)1489 898000
solutions@saabseaeye.com
www.saabseaeye.com/support
20 Brunel Way
Fareham Hampshire PO15 5SD UK

Sarov Marine

Observation, Survey, Inspection
+27 83 654 2878
www.sarov.co.za/training
4 Strand Street Port Alfred
Eastern Cape South Africa

Seamor Marine

Observation, Intervention
Sales
250 729 8899
sales@seamor.com
<https://seamor.com/support/#training>
1914 Northfield Rd
Nanaimo, BC V9S 3B5 Canada

SeaRegs Training

Observation, Survey
+44 (0)1752 408270
admin@searegs.co.uk
<https://searegs.co.uk/introduction-to-usv-operation>
Turnchapel Wharf Barton Rd
Plymouth, UK

Shark Marine Technologies

Observation, Survey, Inspection
Construction, Intervention
+1 (905) 687-6672
sales@sharkmarine.com
www.sharkmarine.com/services
23 Nihan Drive
St. Catharines, Ontario L2N 1L2 Canada

SMD

Survey, Inspection
Rob Eddon
+44 (0) 7801194302
rob.eddon@smd.co.uk
marketing@smd.co.uk
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SMD | Soil Machine Dynamics
Wallsend, UK

ST Engineering

Intervention
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SubAirTech

Survey, Inspection
+33 2 28 02 13 16
contact@subairtech.com
www.subairtech.fr/formation-technicien-rov/?lang=en
87 Rue Georges Charpak
44115 Haute-Goulaine, France

SubNet Services

Inspection
+44 (0)8458 692038
training@subnetservices.com
www.subnetservices.com/training-courses/rov/rov-course-list

Subsea Fundamentals

Observation, Survey, Inspection
Intervention
+31 (6) 19 79 65 56
contact@subseafundamentals.com
[https://subseafundamentals.com/en/training/auv-training/](http://subseafundamentals.com/en/training/auv-training/)

Subsea Tech Marine and Underwater Technologies

Observation, Survey, Inspection
Intervention
+33 (0)4 91 51 76 71
www.subsea-tech.com/prestations-services/#Services-03
167, plage de l'Estaque
13016 Marseille, France

Teledyne Marine

Observation, Survey, Inspection
Intervention
(386) 888-3000
SeaBotix_Inquiries@Teledyne.com
www.teledynemarine.com/en-us/products/product-line/Pages/ROV-Training.aspx
1026 N Williamson Blvd
Daytona Beach, FL 32114 USA

TMS Group

Intervention
info@tmsgroupusa.com
[https://tmsgroupusa.com/uas-training](http://tmsgroupusa.com/uas-training)
St. Petersburg, FL USA

Underwater Group

Survey, Inspection, Construction
22 99265 0930
contato@uwgroup.com.br
www.uwgroup.com.br/rov-training/
R. Mário Figueiredo Proença
152/02, Macaé, Brazil

VideoRay

Observation, Survey, Inspection
James Mitchell
+1 610 458 3000
sales@videoray.com
[https://videoray.com/training](http://videoray.com/training)
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