

Unmanned Surface Vehicles Autonomously Detect and Track a Live Submarine



During Exercise Unmanned Warrior recently conducted in the UK, Liquid Robotics and Boeing demonstrated the use of Wave Gliders to successfully detect and track a manned diesel submarine. The Wave Gliders used advanced Boeing acoustic sensors in the live anti-submarine warfare (ASW) mission.

Demonstration of tracking of an advancing unmanned underwater vehicle was also conducted.

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Z-Boat Demonstration in Perth

The BlueZone UVS Perth office has conducted a successful demonstration of a Z-Boat survey completed using a Kongsberg M3 Multibeam sonar for test trial in Hillarys Boat Harbour. The multibeam sonar was integrated by the Fugro Survey team in Perth assisted by staff from Fugro BTW in New Zealand.



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Seaeye Falcon for Aquaculture Support



The powerful, portable and versatile Seaeye Falcon Remotely Operated Vehicle (ROV) is demonstrating its ability to support cleaning and maintenance of deep nets in the aquaculture industry. The Falcon has been used to pioneer in-water net cleaning techniques that allow large nets to remain in place without replacement for extended periods. Historically this inspection and mort removal has been done by divers, but when there are a large number of nets to maintain the use of a Seaeye Falcon ROV has become a more efficient and economical alternative for these routine tasks.

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SeaBotix Service Starts-up



Service for Teledyne SeaBotix Remotely Operated Vehicles (ROVs) has started in style at the BlueZone UVS facility in Newcastle, NSW. In November, the workshop was busy with service and repair of four LBV systems operated by the Royal Australian Navy.

BlueZone UVS Workshop Manager, Grant Maddison, said that the service activity had gone smoothly and it was satisfying to put into practice the knowledge gained from recent training provided in Australia by Teledyne SeaBotix.

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Saab Acquires DAMDIC Manufacturer Nordic Defence Industries



Saab has acquired Nordic Defence Industries (NDI), the Danish naval company that designs and manufactures the DANish Mine Disposal Charge (DAMDIC) mine disposal charge. The Royal Australian Navy utilises the DAMDIC system for mine disposal deploying them from the powerful and flexible Double Eagle Mk II Mine Disposal System deployed from the HUON Class Minehunter Coastal ships.

BlueZone CEO, Neil Hodges said that with the integration of NDI into Saab Dynamics within its Underwater Systems business unit provided a strong through-life support capability for the RAN.

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BlueZone Group at the Greater Hunter Makers Festival



BlueZone Group joined over sixty local companies that exhibited at the inaugural Greater Hunter Makers Festival at the Newcastle Jockey Club in November. Also at the festival were 5 local schools showing their exciting work in STEM education spearheaded by practical projects and competitions in building and making.

At the Makers Festival BlueZone Group launched the SewerSerpent225™ electronic leak detector and received many enquiries from interested business and drainage contractors regarding the new capability. The SewerSerpent225™ can be used to rapidly locate sewer leaks that cause problems in sewer networks around the world.

<http://www.uvstrenchless.com.au/products/sewerserpent>

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Events

Please join UVS at these upcoming events!

We are keen to talk to you about how innovative new technologies offered by UVS can solve issues for your challenges in Australia's oceans, coastal seas and rivers.

We are happy to answer your questions and arrange on-site demonstrations and further discussion if required.

University of Newcastle Maritime RobotX Challenge Team

UVS is proud to support students from the University of Newcastle who will form one of only three Australian teams who have been chosen to compete in the Maritime RobotX Challenge (RobotX) which will be held in December 2016 in Hawaii. UVS Mechatronics Engineer, Mark Gibson, leads the University of Newcastle team and Mark has built invaluable skills and experience in the RobotX challenge in the design and development of Autonomous Surface Vehicles.



Sponsored by Northrop Grumman and run by the Association for Unmanned Vehicle Systems International (AUVSI), the Challenge involves teams of university students from six Pacific Rim countries - U.S.A, Singapore, Australia, South Korea, Japan and China.

Good luck in Hawaii Mark!

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Christmas & New Year Opening Hours - Newcastle, Melbourne & Perth

Last Working Day: Friday 23 December
All offices closed: Monday 26 December to Monday 2 January
All offices re-open: Tuesday 3 January

For urgent enquiries when our offices are closed please contact Mark Hegarty on 0418 369 075 or Eduardo Santos on 0404 879 118.

New Products & Services



SewerSerpent225® Launch Day

BlueZone Group company, UVS Trenchless Technology, marked the release of the SewerSerpent225® product with staff BBQs and celebrations at Newcastle, Melbourne and Perth offices.

The [SewerSerpent225®](#) is the fastest way to detect leaks in pipelines from 100 to 225mm in diameter using Extra Low Voltage electric signals that are safe for operators and for the environment. Using electricity to pinpoint leak location means reduced reliance on subjective interpretation of CCTV inspection videos.

The SewerSerpent® technology has application for leak location in any type of buried non-conductive pipe material and can be adapted for special applications if required.

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Quality Products for Water Resources

UVS continues to innovate in the Water Resources field having developed the DL25 Extended Memory And Control Datalogger to enable long term data logging and remote control of Teledyne RDI Channel Master ADCPs. For more details see: <http://www.uvs.com.au/product-catalogue/water-resources/dl25-adcp-extended-memory-and-control>.

The introduction of the Teledyne OceanScience Q-Boat for ADCP deployment in rivers has also created opportunities for new techniques for river measurement. Gathering river data can now be done safely from the river bank with no need to enter the water and with many options for flow measurement locations. [Read More](#)



BlueView M900 2D Imaging Sonar for Demo & Rental



The BlueView M900 2D Imaging Sonar is now available from UVS for demonstration and rental. The M900 is the most compact, full featured 2D Multibeam Imaging Sonar available. The M Series fits where other multibeam imaging sensors can't, delivering crisp, real-time streaming sonar imagery. [Read More](#)

Hassle Free Rental



Arranging rental equipment with BlueZone UVS just got even easier! We are now able to bundle equipment insurance for approved renters, so that you will not need to arrange your own insurance. One less job to so when timelines are tight and conditions are demanding! [Read More](#)

NEWCASTLE

21 Huntingdale Drive
Thomton NSW 2322 Australia
Tel: +61 2 4964 3500

MELBOURNE

9 Macquarie Place
Boronia VIC 3155 Australia
Tel: +61 3 8720 0300

PERTH

Unit 1, 41 Discovery Drive
Bibra Lake WA 6163 Australia
Tel: +61 8 65951500

www.uvs.com.au

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