

Supercharging Autonomy at the MEWG



A clear theme of the Maritime Environment Working Group (MEWG) recently conducted in Canberra was that Navy capability for Autonomous Underwater Systems needs to be “super-charged”. Autonomous Systems and marine robotics offer significant benefits to Navy’s desire to maintain a technology edge and to remove personnel from the “dull, dangerous and dirty” tasks required for many naval operations.



Project SEA 1770 will see the first REMUS 100 Autonomous Underwater Vehicles enter operational service in 2019 and SEA 1778 also proposes AUV for expeditionary mine countermeasures. Inclusion of AUVs in traditional mine hunting activities would provide a force multiplier.

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SeaBotix SmartFlight™ vLBV 300 Demo

In Australia 30 July to 10 August 2018

BlueZone Group is pleased to announce the demonstration of Teledyne SeaBotix SmartFlight™ Automated Navigation at locations in Australia between 30 July and 10 August 2018.

SmartFlight™ adds automated functions to the SeaBotix vLBV ROV and is available as an integrated option on new and as an upgrade for existing vLBV systems. SmartFlight™ features include:

- Return to target
- Waypoint navigation
- Holding station
- Orbit target
- Seamless integration with AUV/Mosaic software
- Single intuitive GUI with Navigation, Sonar, Video
- Target tracking with Tritech Gemini Multi-Beam Sonar



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Autonomous Oceans: Past, Present and Future



BlueZone Group was pleased to support the SSSI NSW Hydrography Commission and Young Professionals to explore and discover how technology is changing the way we see the oceans. In an event “Autonomous Oceans: Past, Present and Future” members heard from start-ups patenting their equipment and young professionals looking to grow in a tough Australian market.



This was the second event in the ‘Captain Planet’ themed series that is aiming to encourage early career professionals in the spatial and surveying sciences to gain exposure to the way the discipline is saving the planet.

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Priming Grant for BlueZone Group in Trenchless Technology

BlueZone Group was pleased to join with 38 other recipients in the award of an Australian Government Priming Grant, offered under the Global Connections Fund of the National Innovation and Science Agenda. The purpose of the Priming Grants is to enhance collaboration specifically between Australian small to medium sized enterprises (SMEs) and researchers in 17 priority economies.



BlueZone Group will collaborate with IKT – Institute for Underground Infrastructure of Germany. IKT is a globally-leading institute that develops solutions for practical and operational issues concerning underground pipes and conduit engineering.

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Teledyne Marine Photo Contest 2018



Teledyne Marine we are currently hosting the Teledyne Marine Photo Contest 2018, which closes on 15 August

- If you have field photos on file, please enter our contest! There are some great prizes.
- No photo? No problem – please play an active role by voting for your favourites.

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Events

Please join BlueZone Group at these upcoming events!

We are keen to talk to you about how innovative new technologies offered by BlueZone 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.

Hydro 18 – 30 October to 2 November – Sydney

The Australasian Hydrographic Society (AHS) is hosting the HYDRO18 Conference and Trade Exhibition (HYDRO18) in Sydney. The Conference and Exhibition, with its theme of 'The Climate for Change – Hydrography in the 21st Century' will allow delegates and the hydrographic profession to consider how best to future utilise the science of hydrography to adapt to climate change, resource sustainability and renewable energy requirements. Hydrography is the key to facing the rising tide of climate change, knowing our oceans and understanding our future.

SIA Biennial Conference – 7 to 8 November - Canberra

The 9th SIA Biennial Conference will be held 7-8 November 2018 with the Opening Reception on Tuesday 6 November at the Canberra Rex Hotel. The theme for the Conference is: Collins Life of Type Extension - Issues and Opportunities.

BlueZone is proud to be the sponsor for the Wednesday Afternoon Session Break. With a wide underwater technology product portfolio and an experienced application engineering team, BlueZone is an experienced and capable systems integrator, designing and supporting systems in COLLINS Class, Minehunter Coastal and Air Warfare Destroyer.

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AHA 2018 Conference – 12 to 15 November – Canberra

BlueZone Group supplies Teledyne RDI highly accurate Doppler products for flow measurement and discharge applications in the inland environment. RDI products include a wide array of technical advantages designed to ensure success, providing significant advantages over competitive products and techniques.

RDI ADCP products are further enhanced for field operations by complementary systems including:

Q-View 2.0 QA/QC software. Instant data qualification for the field user, saving you valuable time while ensuring that you've collected the data set you need; and

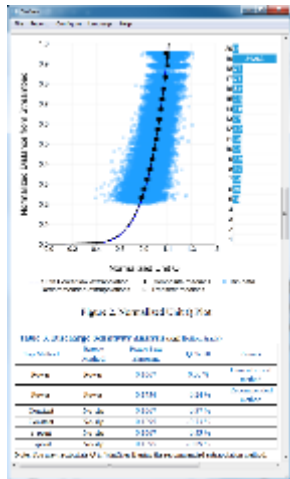
OceanScience Q-Boat. Remote control Q-Boats for ADCP deployment during river velocity profiling and discharge monitoring offer the ultimate in survey flexibility and personnel safety.

Why not join us to checkout Q-View 2.0 QA/QC software? Q-View 2.0 is now more focused on analysing and reporting data after the user has returned to the office. To this end, Q-view now delivers an All-in-One professional report that combines a summary of discharge results with a comprehensive quality assessment

BlueZone provides full in-country support for RDI products from our fully-equipped workshops in Newcastle, Melbourne and Perth. Our Authorised ADCP service centre ensures that your equipment will be available for your river measurement tasks and our verification service provides confidence in the status of your instrument.

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New Products & Services



Q-View 2.0 Quality Assessment and Discharge Results All-in-One Report

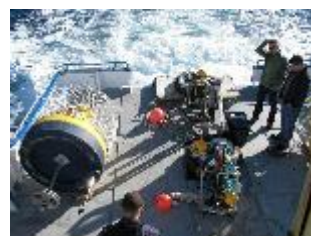
Teledyne RDI has announced the release of their newly updated Q-View QA/QC software, now designated as Q-View 2.0. RDI has made extensive enhancements to this software based on customer feedback.

The first version of Q-View was heavily focused on assessing the quality of data on-site in the field during data collection. Q-View 2.0 is now more heavily focused on analysing and reporting data after the user has returned to the office. To this end, Q-view now delivers an All-in-One professional report that combines a summary of discharge results with a comprehensive quality assessment.

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Benthos Acoustic Modems Meet NATO's New JANUS Interoperability Standard

Teledyne Benthos have announced that their Acoustic Modems Meet NATO's New JANUS Interoperability Standard. Put simply, JANUS is an interoperable marine radio channel 16 for digital underwater communications devices. Over the past several years, the standard has been extensively tested at sea in exercises involving a number of partners (universities, industries and research institutions) covering a range of application scenarios.



Teledyne Benthos has participated in a 5-day JANUS Interoperability Fest hosted by the NATO STO Centre for Maritime Research and Experimentation (CMRE), based in La Spezia (Italy), at which various vendors tested their JANUS protocol capabilities. The Teledyne Benthos UTS-9400 deck box and ATM-900 Series Modems were tested and proved their ability to provide an interoperable real-time implementation of the JANUS protocol utilising commercial-off-the-shelf acoustic communication (ACOMMS) hardware.



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