

## BlueZone a Finalist for Optus My Business Awards 2018

*Ahead of the Tide™*

BlueZone is pleased to announce selection as a finalist for the Optus My Business Awards 2018 in the new category for Defence Business of the Year.



BlueZone Group CEO, Neil Hodges, said that nomination as a finalist was a significant recognition for the BlueZone team that operates nationally from offices in Newcastle, Melbourne and Perth. "BlueZone provides sales, service and engineering design for subsea equipment including robotics and marine autonomous systems for markets including Defence, offshore oil & gas and water infrastructure," said Neil, "Founding of the company was driven by a desire to take the lessons-learned from working in large defence organisations and apply the best principals in an agile high-technology service business for the benefit of the end customer – sailors at sea."

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## Remotely Operated Vehicles for Real-time Intervention

*An essential tool for subsea intervention*

ROVs will remain a required capability in a "balanced force" for Offshore Oil & Gas for many years to come. Any work that requires subsea intervention: e.g. opening & closing valves, welding, cutting and salvage will always require an operator with real-time control. Recent innovations have focussed on global remote control and smart tools. AUVs are seen as useful for tasks such as survey or pipeline inspection and will enable new capabilities such as subsea resident systems using subsea docking stations.



In the MCM context, AUVs can provide the capability for Search, Classification and Identification. Disposal will (for at least the next decade) require ROV capability for real-time control to lay a counter-mine charge very near to a mine. Close proximity is required in order to achieve sympathetic detonation of insensitive munitions and close proximity in high-current, low visibility conditions can only be achieved with real-time control of a powerful ROV. A ROV capability also provides Navy with options for subsea intervention including salvage, black-box recovery and inspections.



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## Perth Adds Live Pressure Testing

*Assuring High Quality Cable Assembly Delivery*

The existing hydrostatic pressure test capability at the BlueZone Perth facility has been improved with the addition of the capability for live testing of cable assemblies and Electric Fly Leads (EFLs).



Perth GM, Mark Musarra, said that BlueZone had responded to customer requests to upgrade the pressure test capability by introducing live testing. “Live testing adds a further level of assurance for our customers when we deliver cable moulding and cable assemblies from our [Subsea Cable Moulding Service](#) said Mark. “We can now subject assemblies to customer-specified test cycles including live testing for continuity, isolation and insulation at pressure up to 3000psi (2000 metres of seawater).”

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## Australia's Science Community Gets Hands-on Robotics Training

*Practical training for CSIRO staff in a week-long training program*

Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO) has begun training students to operate their new Saab Seaeye Falcon underwater robotic vehicle, the most popular system of its class in the world.

Widely adopted by the marine science community for a variety of missions in the most challenging environments in the world, the Falcon's advanced iCON intelligent control architecture makes for easy role change and ready customisation.

Not only does iCON allow a variety of equipment to be installed on board and in underslung skids, but the Falcon has the thruster power and control to offer extreme manoeuvrability whilst also remaining stable when undertaking precision filming and delicate tasks in strong crosscurrents.



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## Biofouling Blamed for Fish Farm Failure

*Biofouling again recognised as one cause for failure of a fish farm at Port Stephens, NSW*



At a fish farm at Port Stephens, NSW, nets on pens had not been cleaned since they were installed, leading to a large build-up of barnacles and weed causing structural problems in heavy seas. “The condition of the pens in terms of excessive biofouling on both predator and inner nets would have contributed significantly to the weight of the overall fortress pen,” the interim report reads.

ClearSignal® can eliminate the build-up of biofouling. ClearSignal® is a clear non-toxic rubber-like coating that resists biofouling as a result of the non-stick properties of the coating itself. ClearSignal® utilizes advanced material technologies to achieve its properties and performance. The product is permanent coating that is designed to last the life of the platform or instrument it is protecting. Unlike anti-fouling systems that rely on active biocides and whose effectiveness degrades with time, ClearSignal remains 100% effective for the intended life of the instrument. ClearSignal is optically clear – compatible with optical transducers, instruments housings retain all instruments markings and identification features.



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## Final Preparations for Autonomous Warrior 2018

BlueZone Group will support demonstration of several systems for the Autonomous Warrior 2018 Industry Dynamic Exhibition (IDE).

The aim of the AW18 IDE is to provide industry with an opportunity to display and exhibit innovation in autonomous and unmanned systems or technologies that may be suitable to support the ADF including in maritime, littoral and land operations, and complex and contested environments – such as combat at sea, regional security, military support and amphibious action.

With approximately 60 Expressions of Interest resulting in 21 companies participating in the IDE and demonstration of 17 unmanned and autonomous platforms, BlueZone is pleased to be joining with other industry partners in a showcase of industry technology and ingenuity. With the maritime focus of Autonomous Warrior at Jervis Bay, Blue Zone will demonstrate Unmanned Surface Vehicles (USV) and two Unmanned Underwater Vehicles (UUV) during the IDE.



[Read More](#)

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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.

[BlueZone at HYDRO18](#)

### 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.

[BlueZone at SIA 2018](#)

## 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.

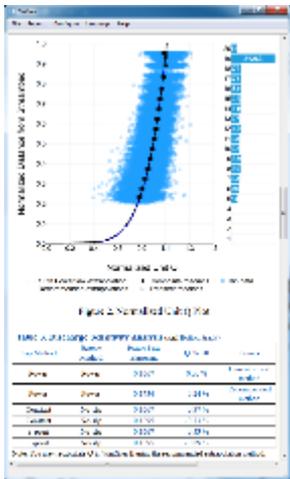
Why not join us to checkout Q-View 2.0 QA/QC software? Q-View 2.0 is now more focused on analysing and reporting data after the user has returned to the office. To this end, Q-view now delivers an All-in-One professional report that combines a summary of discharge results with a comprehensive quality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

[BlueZone at AHA 2018](#)

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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.

[Q-View All-in-One](#)

### Workhorse Rio Grande ADCP Set to Retire in 2019 Even a "Workhorse" eventually needs to step aside

As of December 31, 2018, Teledyne RDI will no longer offer the long-standing Workhorse Rio Grande ADCP for purchase.

Service and repair all existing Rio Grande ADCP will continue until January 2024, so there will be an extended period to transition to a newer ADCP product.

Teledyne RDI apologises for any inconvenience this may cause, unfortunately, component obsolescence drives this issue as technology continues to advance.



As an upgrade guide:

- RiverRay ADCP replaces the Rio Grande 600.
- RiverPro ADCP replaces the Rio Grande 1200

[Workhorse Rio Grande set to retire](#)

## Perth Live Pressure Testing

### Assuring High Quality Cable Assembly Delivery



The existing hydrostatic pressure test capability at the BlueZone Perth facility has been improved with the addition of the capability for live testing of cable assemblies and Electric Fly Leads (EFLs). Customer-specified test cycles including live testing for continuity, isolation and insulation at pressure up to 3000psi (2000 metres of seawater).

The capability for live pressure testing includes electrical connection for 4-pin and 7-pin Electric Fly Leads (EFLs) and up to 8-pin cable assemblies. The live pressure testing capability supports the BlueZone commitment to delivery of high-quality cable assemblies and connector moulding that customers can depend on for subsea operations.

[Live Pressure Testing](#)

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