

BlueZone hosts Senator Hughes for Unmanned Maritime Systems Support Centre Opening

Building a Sovereign Industry Capability



Senator Hollie Hughes, the Patron Senator for the Hunter Region, today officially opened BlueZone's Unmanned Maritime Systems Support Centre (UMSSC).

"The addition of the Unmanned Maritime Systems Support Centre will only strengthen this already impressive operation and allow it to continue to service a range of unmanned underwater and unmanned surface vehicles for our Army and Navy - while further developing new technology for the Wave Glider," Senator Hughes said.



Since 2000, BlueZone has provided a truly sovereign defence industrial base for the support of unmanned underwater vehicles and unmanned surface vehicles operated by Navy and Army. The aims of the Australian Defence Force (ADF) to operationalise unmanned maritime systems can be supported by industry partners like BlueZone with more than 20 years' experience in providing support for a range of existing robotic systems employed by the ADF.

[Building a Sovereign Industry Capability in Unmanned Maritime Systems](#)

Defence Innovation Hub Award – Theatre ASW using Wave Gliders

Unmanned Surface Vehicles Supporting Undersea Surveillance

BlueZone Group and industry partners Sonartech Atlas and Acacia Systems are pleased to announce the award of a Defence Innovation Hub Phase 3 contract to develop Anti-Submarine Warfare (ASW) capability using Australian-developed sonar and combat data processing systems installed in Unmanned Surface Vehicles (USVs). Under contract P17-246768 Theatre ASW - Offboard Detection, Classification, Localisation (DCL) using Wave Gliders, the SME team will deliver a highly automated and autonomous system which will contribute to the ADF's integrated undersea surveillance system as a peer capability alongside existing traditional platforms.



The system is an innovative integration of Sonartech Atlas's sonar processors and Acacia Systems' automated tracker technology with leading-edge ASW sensors and unmanned platforms. It will provide a fully autonomous persistent surveillance capability which will complement the ADF's existing and planned ASW force structure. The system will comprise a Wave Glider equipped with a KraitArray™ thin line towed array sonar for detection of acoustic signal. Onboard processing of the data will result in track information that can be communicated to other platforms to contribute to the overall ASW situational awareness.



[Unmanned Surface Vehicles for Anti-Submarine Warfare \(ASW\) capability](#)

BlueZone partners for Medium Range Diver Propulsion Vehicle

SUEX and Blueprint Subsea Partner to Deliver Divers Downunder



BlueZone is pleased to announce a partnership for delivery of Diver Propulsion Vehicles (DPV) for customers in Australia. BlueZone is partnered with SUEX and Blueprint Subsea for supply and through life sustainment of advanced technology for propulsion and underwater navigation for dive teams.

SUEX and Blueprint Subsea are experienced design and production partners having developed high quality products ranging from the SUEX NERO Blueprint ELITE DPV to Diver Handheld Navigation/Sonar and SUEX advanced thrusters. Both companies also offer a wide range of sensors and accessories. SUEX and Blueprint Subsea have successfully supplied DPV equipment to projects in the UK.

BlueZone is an experienced and capable supplier to Defence. BlueZone will lead proposals in Australia including fully developed concepts for support and sustainment of delivered equipment through established east and west coast underwater technology workshops and maintenance facilities.



[Medium Range Diver Propulsion Vehicle for transit, navigation and communication](#)

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.

2020 ANI Goldrick Webinars - Remote and Autonomous Systems at Sea

The Australian Naval Institute (ANI) in partnership with the Naval Studies Group at the University of NSW – ADFA, the Royal Australian Navy and the Submarine Institute of Australia will present the 2020 ANI Goldrick Webinars overviewing Remote and Autonomous Systems at Sea. The Goldrick Program will comprise eight webinars each approximately one hour in duration conducted weekly (Wednesday 1300-1400 AEDT) over eight weeks.

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BlueZone will present at two webinars:

Webinar 6: RAS in the Undersea Domain – 11 November 2020

Theatre ASW – Offboard DCL Using Wave Gliders, Darren Burrowes, Chief Technology Officer, BlueZone Group

Webinar 8: Evaluating and Sustaining RAS Capabilities – 25 November 2020

Sustainment of RAS Systems, Mr Neil Hodges, Director, BlueZone Group



The Wave Glider SV3 v300 and the Double Eagle Mine Disposal System will be amongst the subjects covered by BlueZone in the 2020 Goldrick Webinars.

[2020 Goldrick Webinars: Remote and Autonomous Systems at Sea – Program](#)

10th SIA Biennial Conference - 16th-18th November 2020 - Canberra

The 10th SIA Biennial Conference - an international event - will be held at the Hotel Realm, in Canberra, either by personal attendance or virtually (online), 16th-18th November 2020. The theme of the Conference will be: 'Submarine Build and Sustainment Programs: The Strategic Nature of Reliable, Sovereign Supply Chains'.

The Keynote speaker will be Senator, The Honourable Linda Reynolds CSC, Minister for Defence.

[SIA Biennial Conference](#)

New Products & Services

Wayfinder DVL

Precise Performance in a Pocket-sized Package

Teledyne RD Instruments has announced the launch of the new highly anticipated Wayfinder Doppler Velocity Log (DVL).

The Wayfinder has been designed to provide Doppler navigation capability for micro vehicles, which are often constrained by stringent size, weight and budget limitations.



Measuring just 10 x 10 x 7 cm and weighing in at 850g, Teledyne RDI's new Wayfinder is ideally suited to address the needs of increasingly smaller subsea vehicles.

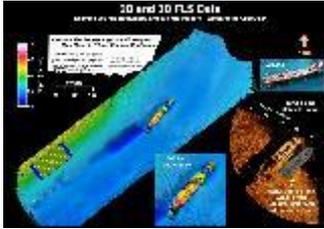
The Wayfinder DVL provides precision performance in a pocket sized package that makes it ideal for integration into micro ROVs and UUVs.

Performance matters: Wayfinder has demonstrated superior data quality compared with DVLs of similar size in in water tests. Don't risk your mission's success to inferior solutions.

Key Features:

- Pocket-Sized Packaging
- Affordable
- Proven Reliability
- Easy to Integrate & Operate

[Precise Performance in a Pocket-sized Package](#)



RESON SeaBat F30 sonar

Understanding the most unique sonar from Teledyne Marine

The RESON SeaBat F30 sonar, is a unique and highly capable sonar that provides simultaneous 3D Forward Looking Bathymetry and 2D Imaging optimised for Uncrewed Underwater Vehicle (UUV) platforms. The unique features of the sonar include:

- 200kHz forward looking bathymetry (3D mode)
- 635kHz high resolution 2D imaging
- Switching between forward looking and imaging modes

The sonar has recently been ported to the latest Reson platform – the T-Series platform – making it robust and cost-effective technology that is non-ITAR. This provides new acoustic arrays and electronics technology. The footprint of the receiver is reduced to almost half that of its predecessor and the depth rating has been increased from 3000m to 6000m. The T-series processing provides improved imaging and a faster switch between forward looking bathymetry and 2D imaging.

[RESON SeaBat F30 sonar](#)

Time to Upgrade?

SPECIAL LIMITED TIME OFFER

Trade up to a SeaBotix vLBV!

Now is a great time to trade in your current ROV and trade up to a more capable and powerful SeaBotix vLBV ROV! With special incentives in place to trade in your existing LBV or older vLBV systems, you can save money AND get the system that your projects need!

Have a non-Teledyne system that isn't meeting your needs? Take advantage of this limited time offer to trade those systems in too!

Don't wait! Contact us now and trade in your current ROV towards a brand new SeaBotix vLBV300 or vLBV950! This offer is only good for orders received through December 25th, 2020!

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