

REMUS 300 Delivered to US Navy

Game-changer for the small UUV class

Hydroid has announced they have delivered the first REMUS 300 Unmanned Underwater Vehicle (UUV) prototype to the U.S. Navy. The Naval Information Warfare Centre (NIWC) has accepted and is trialling the REMUS 300. This new, modular UUV will be assessed over the next year as a potential solution for the Next Generation Small-Class UUV (SUUV) program for the Navy.



"REMUS 300 is a game-changer for the small UUV class. It's a culmination of everything we've learned by delivering over 400 REMUS UUVs over the past 17 years," said Duane Fotheringham, President of Hydroid. "The modularity and open architecture will make future developments easier than ever to integrate, ensuring REMUS will continue to be one of the most advanced UUVs on the market."

[REMUS 300 Modular UUV for US Navy](#)

Double Eagle SAROV Ordered for Mine Countermeasures

Safe, versatile and cost-effective hybrid system for both detection and disposal of maritime explosives

Saab has reported an order for delivery of Double Eagle SAROV systems to the Polish Navy to be used for mine countermeasure (MCM) operations. The Saab Double Eagle Mine Disposal System is operated by the Royal Australian Navy and supported in Australia by BlueZone Group.

The Double Eagle SAROV can be operated both as an Autonomous Underwater Vehicle (AUV) for detection, classification and identification, or as a Remotely Operated Vehicle (ROV) for mine disposal. The SAROV's robust design, mission modularity and long-term ability make it suitable for a variety of MCM and other operations. These include underwater surveys, identification, mine disposal, detection of underwater objects and Rapid Environment Assessment (REA) missions



[Saab Double Eagle SAROV for both AUV and ROV Operations](#)

Hydroid joins Huntington Ingalls Industries

Support for the Future of Robotic and Autonomous Systems for the ADF



Huntington Ingalls Industries (HII) announced 4 February 2020 that it has entered into an agreement to acquire Hydroid Inc., a leading provider of advanced marine robotics. HII has provided the range of REMUS Unmanned Underwater Vehicles (UUVs) to 21 global naval forces, including Australia's Five Eyes (FVEY) partners. BlueZone wishes to congratulate both HII and Hydroid on this exciting partnership, and we believe that



this move will support the future deployment of robotic and autonomous systems for the ADF.

BlueZone CEO Neil Hodges said, “UUV are ideal systems to augment the MCM tasks of mine search, classification and identification,” - high-end UUV like the Next Generation REMUS 100 can autonomously complete MCM search tasks and support rapid identification of minefield locations.

[Hydroid joins Huntington Ingalls Industries](#)

Fishy Business

ClearSignal® Coating for Fish Tracking and Aquaculture Applications

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 acoustically clear – compatible with all types of acoustic transducers. The optical clarity means that instrument housings retain all instrument markings and identification features.

Two applications for ClearSignal® are being developed associated with Australia’s growing aquaculture industry: acoustic transceivers and oyster cages. ClearSignal® is inert and non-toxic and suitable for use in aquaculture food production.



[ClearSignal® inert and non-toxic biofouling protection for aquaculture food production](#)

Teledyne Marine Announces 2020 Academic Product Grant

Leading-edge technology the next generation of technologists and explorers



BlueZone is pleased to support Teledyne Marine in their offer to the next generation of technologists and explorers for the opportunity to utilise their leading-edge technology for planned 2020 programs free of charge via their 2020 Academic Product Grant.

[Teledyne Marine 2020 Academic Product Grant](#)

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.

UNDERWATER DEFENCE & SECURITY - 3 to 5 March 2020, Southampton, UK

BlueZone will attend the 8th edition of the Underwater Defence and Security conference and exhibition where the underwater community will convene to discuss important and ongoing issues in this domain. Papers on emerging technologies, the rise of near peer threats, new capabilities and changes to national and international strategies will be presented. Discussions will include ASW, MCM, Submarines, C4ISR, Autonomy, Safety, Training and Unmanned Vehicles.

Australian Oil & Gas – 11 to 13 March – Perth - Booth C30



BlueZone joins with Teledyne Energy Systems this year at Australian Oil & Gas where visitors can see a full-size model of the Subsea Supercharger. The Subsea Supercharger has been developed to deliver MWh-class energy to subsea trees, resident ROVs, and subsea sensor networks in an effort to significantly reduce the ship time required to support these ocean assets. The heart of the Subsea Supercharger is a fuel cell stack, a commercial product with over 10,000 hours of testing. Representatives from Teledyne Energy Systems will be on-hand to answer all of your technical questions and will also present in the AOG Subsea Forum:

Digitisation & Engineering Automation session

Thursday 12 March 2020

Time: 10.30-11.20

[Subsea Supercharger Brings Electric Power to the Seafloor](#)

Oceanology International – 17 to 19 March – London, Excel

Oceanology International is celebrating 50 years as the world's largest ocean technology exhibition and conference and BlueZone will be there to meet our valued suppliers and to seek new technologies for our customers facing the never-ending challenges of the underwater environment.

[Please contact us to set up a meeting at Oceanology](#)

New Products & Services



Certified Casings for Mobile Phones and Tablets for Hazardous Environments

BlueZone is pleased to introduce Xciel products to the Australian market to provide solutions for Zone 1 (Explosion Proof) and Zone 2 (Non-Sparking) deployment of off-the-shelf iOS, Android and Microsoft products. Xciel's ingenuity and engineering design capabilities have resulted in the following world-first patented solutions:

- C1D2/ Zone2 intrinsically safe iPhone
- C1D2/ Zone2 intrinsically safe iPad
- ATEX Zone1/ IECEx explosion proof iPad Mini
- ATEX Zone1/IECEX Explosion proof iPhone

Xciel's solutions provide simplicity and efficiency to enable your devices to be used at the office and also in a hazardous environment. IT departments can mandate preferred corporate operating systems, ERP systems, applications and carrier

operator for standard commercial devices that are used in Zone 1 and Zone 2 applications.

Visit us at Booth C30 at Australian Oil & Gas to see demonstration products

Newcastle

+61 2 4964 3500
21 Huntingdale Drive
Thornton, NSW 2322, Australia

Melbourne

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

Perth

+61 8 6595 1500
Unit 1, 41 Discovery Drive
Bibra Lake, WA 6163, Australia

www.bluezonegroup.com.au

[Unsubscribe](#)