

Welcome to BlueZone UnderCurrents!

In 2015, we announced the creation of BlueZone Group, merging UVS, ATSA Defence Services and UVS Trenchless Technology to provide quality products, services and solutions to our customers in the diverse markets of Offshore Oil & Gas, Defence, Water Resources, Oceanographic, Hydrographic and Trenchless Technologies.



With now over two years of operation the BlueZone Group has built a strong market recognition as the “go-to” group for technically superior underwater technology products, backed by national service and innovative application engineering. We are very excited to announce that from September 2017 we are now moving to the BlueZone Group brand exclusively.

We will continue to offer our same high level of service and look forward to supporting all our customers and their needs for technology in harsh environments. We are at your service at our [website](#), by email service@bzg.com.au, sales@bzg.com.au and by telephone: Newcastle 02 4964 3500; Melbourne 03 8720 0300 and Perth 08 6595 1500. All our previous websites and emails will continue to function and will connect you through to new BlueZone addresses.

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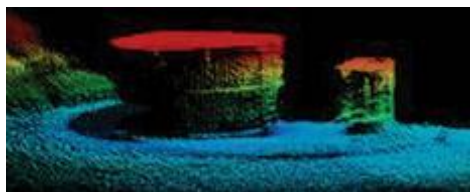
REMUS 6000 Plays Key Role in the Discovery of the USS Indianapolis Wreckage

Hydroid announced that their REMUS 6000 Autonomous Underwater Vehicle (AUV) was used to gather sonar data by Microsoft co-founder Paul Allen's team in the historic discovery of the USS Indianapolis wreckage on 19 August 2017. The navigation and autonomy performance of REMUS contributed to its role in the search and discovery. Standard 24 hour round-the-clock support, availability of Hydroid's largest in industry team of experienced field technicians (majority former US/UK Navy operators), advanced autonomy, and premium quality make REMUS the educated choice for commercial, marine research and defence applications.



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Underwater Structure Assessment

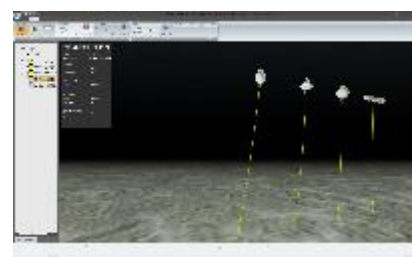


Safety controls in many countries require that underwater structures must undergo an extensive survey that includes detailed inspection. The inspection requirements included video inspection with a Remotely Operated Vehicle (ROV) combined with an accurate 3D rendering to describe the structure foot morphology (silt build-up, collapsing, scouring effects, etc.), and included secondary structures like water gates. Teledyne BlueView supplied two different systems for this application; the BV5000-1350 and the BV5000-2250, see the full case study to find out how both were ideal solutions.

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Mooring System Numerical Modelling

For many years moorings have been designed using basic mass-drag-buoyancy calculations, spreadsheets, rules-of-thumb, black magic scripts, and a dose of 'salty-sea-dog' experience. With these methods, we can frequently estimate a line size to use or an approximate anchor weight. But sometimes despite our experience we still have questions. This article supplied by BlueZone Group partner, DeepWater Buoyancy looks at increasing the precision of mooring analysis using numerical modelling software designed for ocean engineers.



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Signals Intelligence (SIGINT) using REMUS 600 and UAV



Hydroid and L3 Mission Integration are collaborating on a mission that illustrates the latest unmanned undersea vehicle technologies and capabilities in a single interactive demonstration. When the signal intelligence data indicates it is appropriate, the REMUS 600 will submerge and, when at depth, release a Spartan Hammerhead canister that contains the AeroVironment Blackwing Unmanned Aerial Vehicle (UAV). The UAV will launch from the canister, run reconnaissance, and relay data including a live video link back to the Hydroid Control Centre.

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Events

Please join BlueZone UVS at these upcoming events!

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

Join us at Pacific 2017, Sydney - Stand 1G6

BlueZone Group is pleased to announce that they will be exhibiting at PACIFIC 2017, the international maritime exposition to held in Sydney, Australia, 3-5 October 2017. BlueZone Group will feature the New Generation REMUS 100 marine robot and the Teledyne OceanScience Z-Boat as examples of autonomous and robotic technology that are providing new approaches to Mine Countermeasures. The next step in Mine Countermeasures will be the application of autonomous and robotic vehicles to enable de-risking of the complex littoral environment. Come and see us in Hall 1 on Stand 1G6 to discuss our technology and its application to your challenges!

Downunder Delegation for Teledyne Marine Technology Workshop



BlueZone Group is pleased to announce the largest delegation ever for the Teledyne Marine Technology Workshop (TMTW) October 15 to 18, 2017 in San Diego.

CEO, Neil Hodges, said that with the newly expanded Workshop there was significant value to be gained from attending the workshop for many BlueZone staff. "Delegates from BlueZone will include technical and engineering staff as well as representatives from our sales team," said Neil. "The TMTW is a great opportunity for learning at many levels and to ensure that our whole team is well placed to advise and support our customers in Australia."

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New Products & Services

ZB01 Custom Charger Case

The ZB01 Custom Charger Case provides a fast and effective way to charge multiple Z-Boat batteries from one easy to manage Pelican Case. The ZB01 includes eight charging circuits enabling simultaneous charge of up to eight batteries.

A key feature of the ZB01 Custom Charger Case is an auxiliary 24V output that simplifies operating the Z-Boat in the workshop by providing continuous 24V power to the Z-Boat and payload sensors. Many payload sensors can be power hungry, and extensive setup and fault-finding work can drain batteries quickly. The ZB01 Custom Charger Case enables easy long-term powering of the Z-Boat for trouble free mobilisation and preparation for survey and Z-Boat operation.



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SeaVent™ Pressure Relief Valves

Many Subsea Electronic Modules require a Pressure Relief Valve to relieve internal pressure due to internal off-gassing. DeepSea Power & Light



SeaVent™ pressure relief valves meet critical subsea specifications for a variety of applications. SeaVent™ universal pressure relief valves can be used on instrument housings, battery packs, and other applications requiring venting.

Key features include:

- Multiple material options
- Adjustable cracking pressure
- 6,000 m or 11,000 m depth rated
- Vacuum and fill attachments available

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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

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