

Military Survey

Augmenting Existing Capabilities with Uncrewed Systems

The demand for survey capabilities can only be expected to grow as an understanding of the maritime warfare environment is a “knowledge edge” that is invaluable to the Australian Defence Force.

Military Survey is specialised survey activities undertaken in direct support of defence force needs and that may be required to be completed in a covert manner or in the presence of opposition forces or heightened threat environments. Military survey work may include deep ocean areas where there is no threat to surface navigation, but where a reconnaissance mission or scientific cruise may identify subsea hazards to submarine navigation.



Uncrewed systems offer new capabilities that can support existing hydrographic survey conducted by crewed ships, survey launches and other manned assets. Uncrewed Surface Vessels (USV) can integrate Multi Beam Echo Sounders (MBES), towed sonars and other survey tools for conduct of the “dull, dangerous and dirty” work of survey that may need to be conducted in the presence of opposition forces. Uncrewed Underwater Vehicles (UUV) provide the essential capability of enabling covert reconnaissance and survey of areas. By operating close to the seafloor, they can provide highly detailed data of seabed conditions and imaging of objects of interest on the seafloor.

[Military Survey using Uncrewed Systems](#)

Hydrospatial 2022 in Cairns

An Expo showing Hydrography of the Future



BlueZone Group attended the highly successful Hydrospatial expo in Cairns QLD during February 2022. The event was a fantastic display of what can be expected in the future of hydrography.

Andrew Hazell of BlueZone said of the expo “it was an outstanding event bringing together uniform and industry, in person, to discuss how to broaden the scope of, and address the challenges in the hydrographic / hydrospatial industry in the Australian-Asia-Pacific region.”

BlueZone would like to offer our sincere thanks to John Maschke and the AHS team’s leadership and organisation of what was truly an outstanding and memorable event.

[BlueZone at Hydrospatial 2022 in Cairns](#)

Join Us in 2022 at BlueZone Group!

BlueZone is hiring for exciting projects in Uncrewed Maritime Systems

As an underwater technology company, BlueZone offers employees the opportunity to discover a career in the last frontier – the world’s oceans! Join a company with a passion for innovation, customer focus and solution delivery.

The entire underwater robotics domain is driven by the rapid development in robotics and consumer electronics – drones & phones – which makes available more powerful software payloads, reduced weight and footprint and increased endurance through new battery technologies.



BlueZone is growing and we have a number of roles currently available in our Engineering, Procurement, and Sales teams. For information on our available positions or to submit your CV please see our website. We look forward to hearing from you!

[BlueZone is hiring](#)

Happy 40th Birthday to Teledyne RD Instruments!

In 1982 RDI revolutionised the way ocean currents are measured by designing the industry's first Acoustic Doppler Current Profiler. Since then, they've gone on to deliver over 30,000 Doppler products around the globe!

BlueZone (as the then Underwater Video Systems) has been an RDI partner since the 1980s and highly values the long-term relationships formed with many of the RDI team. Although separated by the Pacific Ocean, there seems to be a common language when the crews get together in Australia, the US or the UK. Congratulations to Teledyne RD Instruments on their 40th Anniversary!



Bill Kikendall, Neil Hodges and Neil Treneman put on the party hats at Oceanology in London



BlueZone and Teledyne RD Instruments were pleased to host the second "ADCPs in Action" conference and exhibition in 2013 at the South Port Yacht Club on the beautiful Gold Coast.

Events

Please join BlueZone Group at these upcoming events as travel restrictions ease around Australia!

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.

INDO PACIFIC 2022 International Maritime Exposition – 10 to 12 May – Sydney

BlueZone looks forward to the chance to meet with many of our Navy customers in Sydney in May. With many uncrewed maritime systems now being delivered or entering service, there are many opportunities to find a technology-edge through Navy-industry collaboration on acquisition, operation and sustainment.

Meet our team at Stand 4L8.

New Products & Services

EdgeTech BRT6000 NAB Burn Wire Activator

EdgeTech's reliable and versatile mooring instrument

The BRT6000 Burn Wire Activator / Acoustic Transponder from EdgeTech is a reliable and versatile mooring instrument. The BRT6000 is designed for superior corrosion resistance and deep deployment being made entirely of Nickel Aluminum Bronze and epoxy painted.



Made by EdgeTech with their long history of reliability the BRT6000 uses a proven electronics system. It is rated to a depth of 6000m and is designed for deployments up to two years on the alkaline battery pack. The acoustic status reply includes both tilt, activation confirmation and optional inputs. The command structure used has been proven in the toughest acoustic environments anywhere.

[EdgeTech's BRT6000 Burn Wire Activator / Acoustic Transponder](#)

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