

Mark Musarra Retires from BlueZone Group

Forty Years of contribution to subsea and underwater technology industries

After a career in the maritime and underwater technology industry spanning 40 years, Mr Mark Vincenzo Musarra will be retiring from the BlueZone Group.

Mark was originally employed by Underwater Video Systems (acquired by the BlueZone Group in 2011) in 1982 to assist with work on the subsea trenching plough for burial of the main trunk line from North Rankin to the Burrup Peninsula. In 2012, after significant contributions in the engineering, technical and general MacGyvering fields, Mark became BlueZone's General Manager, Perth. For the past 10 years Mark has led the Perth office and presided over the, at times difficult and always challenging, oil and gas and Defence West markets. He has successfully built and nurtured extensive networks over his 40 years finding unique solutions to customer problems.

We thank Mark for his service, and we wish him all the very best for his encore profession.



Robotics Roadmap

Robotics to impact every sector of the Australian economy

BlueZone is pleased to participate in Robotics Australia Group and supports the release of the Robotics Roadmap for Australia 2022.

The 2022 roadmap is one initiative of Robotics Australia Group, another being the development of a Robotics Venture factory, that will fully support Australian innovators in commercialising their solutions within our local market, generating local revenue, creating jobs and expanding our sovereign capability.

Innovation in robotics is not just confined to design and production of robots. In a local success story, BlueZone Group has supported uncrewed maritime systems operated by the Royal Australian Navy since 2000. BlueZone has grown to provide a capability to maintain, modify and modernise many robotic systems operated by Defence, and has also developed systems for water infrastructure applications and other customers.



[Robotics Roadmap for Australia 2022.](#)

Join Us at BlueZone Group!

BlueZone is hiring Systems Engineers for exciting projects in unmanned 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.

The systems engineering roles at BlueZone will be an exciting role at the forefront of rapidly developing technologies, delivering advanced projects to our customers operating in harsh environments. You will work with an experienced and successful engineering team who are focussed on leading edge development.

[BlueZone is hiring Systems Engineers](#)

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.

Hydrospatial 2021 – 15 to 18 February 2022 – Cairns

The Australasian Hydrographic Society (AHS) will host its internationally recognised hydrographic conference program in Cairns in February 2022.

The theme of the Conference is: 'Hydrography of the Future'. This theme will focus on how the hydrography will develop further into the future noting the development of 'Digital Twinning', and the emerging name variants for 'hydrography' such as 'hydrospatial' or 'hydrogeomatics'.

New Products & Services

MicronNav 200 – Trittech's latest generation of USBL positioning systems

The MicronNav 200 system from Trittech is their latest generation of UltraShort Base Line (USBL) positioning systems. The compact and lightweight system has been designed for small vehicle applications including ROV navigation, AUV tracking and as an ROV location beacon, and for use as a diver tracking system.

The benefits of the new system include but are not limited to compatibility with the new Micron Battery Modem, more accurate USBL head, quick and easy mobilisation, and Google Maps™ software integration. It is easy to calibrate and has seamless integration into Genesis software.

The system comprises a surface MicronNav 200 interface hub and bespoke operating software under control of a topside PC/laptop, a surface USBL transducer with integral magnetic compass and pitch/roll sensors, and a subsea Micron Modem or Battery Micron Modem.

Underwater environments are not always clear, but the MicronNav 200 will enable you to know where you are and where you are going under the water. For more information on the MicronNav 200, contact BlueZone today.



[MicronNav 200 from Trittech](#)

General Acoustics UltraLab Advanced

Fully synchronised data for no drift and no subsequent synchronisation



The General Acoustics UltraLab Advanced is a state-of-the-art ultrasonic measuring system for analysing highly dynamic wave situations at superb time and spatial resolution. Two UltraLab Advanced systems can provide fully synchronised data from all sensors from both controllers, with no drift and no subsequent synchronisation required. If you need more sensors for more measurement locations, this solution would be a convenient option.

The synchronisation is realised with an implemented Precise Time Protocol (PTP). This is a custom option by General Acoustics, available for UltraLab Advanced and HF-series. A PTP-server, working as a grandmaster, provides the exact time stamp, which is utilised by the UltraLab systems as clients. Additional measuring devices can be interfaced as clients to the PTP-server, providing perfect synchronisation as well.

The time stamp provided by the grandmaster can even be linked to GPS-time, resulting in not just relative synchronisation, but absolute correct time as well for all synchronised UltraLab controllers and auxiliary devices.

The PTP-option adds another valuable feature to a straightforward UltraLab user experience: No calibration, no subsequent synchronisation, no water contact.

Two UltraLab Advanced systems can provide fully synchronised data from all sensors from both controllers.

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