

Next-gen mine countermeasure capabilities

Neil Hodges, Gavin Henry and Peter Newnham discuss SEA 1905 Tranche 1.

BlueZone Group Director Neil Hodges, Thales Australia's Gavin Henry and Peter Newnham spoke with Defence Connect about our proposal for the Royal Australian Navy's SEA 1905 Tranche 1 – Maritime Mine Countermeasures (MCM) Survey program. BlueZone is pleased to be a partner in the Thales' bid for SEA 1905 Tranche 1. Thales' sovereign MCM offering will be enhanced and supported by BlueZone's experience and capability in support of maritime robotics and military survey systems for more than 20 years.



[Next-gen mine countermeasure capability](#)

Mitchell Hinchcliffe presents at SUT 2022

Underwater Autonomous Technologies & their Application within the Defence Industry



Project Manager Mitchell Hinchcliffe presented at the Society for Underwater Technology's Evening Technical Meeting for 2022, in Perth on the 12th of October. Mitchell's presentation was on the Anti-Submarine Warfare operations utilising autonomous Wave Gliders for detection, classification, and localisation. BlueZone has been awarded a Defence Innovation Hub contract to develop Anti-Submarine Warfare (ASW) capabilities using Australian developed sonar and track processing systems. The system will provide fully autonomous persistent surveillance to existing and planned ASW force structures.

[Mitchell Presents at SUT 2022](#)

2022 Hunter Student STEM Expo – Explore your Future

BlueZone educates students about future opportunities in the STEM workforce.

BlueZone Group attended the 2022 Hunter Student STEM Expo on the 17th of October. The intent of the event was to solidify years 9 - 12 student subject selection in the Science, Technology, Engineering and Math sector. The expo was designed to specifically highlight the industry's growth and the required workforce that will be needed in the Hunter Region. This was the first year that BlueZone has attended the Hunter Student STEM Expo and received extremely positive feedback from the students and teachers. Several students were interested about the opportunities that BlueZone has to offer and the industry we represent.



[2022 Hunter Student STEM Expo - Explore your Future](#)

Military Diver Health

Monitoring of fatigue on long transits and operations



BlueZone Group is proud to partner with the University of Wollongong, Western Sydney University, and Vyom Tech to develop a prototype system to assess military diver health. This work will have strong synergies with our supply of Diver Propulsion Vehicles for long underwater transits. A DPV with navigation capability will enhance the probability of mission success and monitoring the impact of fatigue on a military diver will be an important issue. Monitoring the vital signs of Military Divers (heart rate, core thermal temperature, oxygen blood levels, respiratory rate etc.) has the potential to not only increase diver duration but the ability to 'protect' military divers during long duration, low activity mission profiles.

[Military Diver Health](#)

Land Forces 2022

International Land Defence Exposition

The largest Land Forces International Land Defence Expo was a three-day event held in Brisbane, QLD on the 6th – 9th of October 2022. BlueZone's exhibit focused on unmanned systems capability and our expertise for Mine Countermeasures (MCM). BlueZone sustains products supplied to Defence with an east and west coast capability for maintenance, modification, and upgrade, maximising operational availability and optimising capability.



[Land Forces 2022](#)

Teledyne Marine Asia Technology Days

BlueZone attended the Teledyne Marine Asia Technology Days



BlueZone attended the Teledyne Marine Asia Technology Days in Penang, Malaysia on the 19th – 20th of October 2022. The two-day event consisted of presentations introducing the latest technology, product range and applications. The second day was dedicated to four in-depth product presentations including vehicles capabilities focusing on SAR and MCM capabilities. This event was originally planned for 2019 and was postponed until late 2022. It was great to catch up with everyone again and have a face-to-face conversation.

[Teledyne Marine Asia Technology Days 2022](#)

The BlueZone Team is Growing!

Join the BlueZone team in the Newcastle or Perth Office

The positions BlueZone are seeking to fill include:

- Senior Technician – Newcastle Office
- Electrical Technician – Newcastle Office

More details about these positions and how to apply can be found on the BlueZone Group employment webpage or through the link below.



[BlueZone is hiring!](#)

New Products & Services

CLS-A

Survey Grade UAV Lidar System



Teledyne's Geospatial's new Optech CLS-A is a survey-grade UAS laser scanning payload. The CLS-A enables the highest quality surveying and inspection applications where the tight integration of a powerful, narrow beam divergence laser, high accuracy kinematic IMU, calibrated camera and powerful post-processing software provides for wide area operation at the highest altitude limits of UAV operations.



The CLS-A Key Features:

- Multiple returns per shot through dense vegetation
- Simultaneously capture photogrammetric data
- 24-7 worldwide manufacturer support

[CLS-A Survey Grade UAV Lidar System](#)

Newcastle

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

Perth

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

www.bluezonegroup.com.au