

Paul “Monty” Montgomery Receives Defence Industry Service Commendation



BlueZone Group was pleased to join with more than fifty other representatives from Hunter industry to see Paul “Monty” Montgomery be presented with the Defence Industry Service Commendation.

The Hon Melissa Price MP, Minister for Defence Industry was in Newcastle to make the presentation. Minister Price said that Monty’s work for defence over many years could be summarised in one way, “saving lives”. This is certainly very true for Monty’s current role that contributes directly to the readiness of Navy Mine Counter Measures capability.



Monty has an outstanding career of service to the Australian Defence Force and defence industry. Beginning as a draftsman at Garden Island Dockyard in the 1980s, Paul learnt his trade in warship maintenance and support and later moved to Newcastle in for the Minehunter Coastal Ship Project – he has never looked back.

[Read More: An outstanding career for service to defence industry](#)

[Read More: Defence industry commendation goes to Hunter man](#)

REMUS 100 Sea Trial Confirms CAT 1B Hydrographic Survey Capability

IHO Order 1 surveys by the Royal Australian Navy

New Generation Hydroid REMUS 100 Autonomous Underwater Vehicles have completed sea trials at Cape Cod Bay, Massachusetts, confirming a significant new capability for IHO Order 1 survey that will soon be operated by the Royal Australian Navy.

The completed REMUS 100 survey data, which included Navlab data, showed that the REMUS AUV had the capability to meet IHO Order 1 within both the vertical and the horizontal thresholds set by S-44. BlueZone GM, Andrew Hazell, said thanked Hydroid and Seahorse Geomatics for their support during the REMUS sea trials, “The sea trials have proven a significant new capability for the RAN,” said Andrew, “and BlueZone looks forward to supporting introduction to service of the New Generation REMUS 100 vehicles.”



[Read More: REMUS CAT 1B Hydrographic Survey Capability](#)

[Read More: Deployable Geospatial Survey Teams under test](#)

ClearSignal® Coating Under Test

Applications in Defence and Offshore Oil & Gas

ClearSignal® coating is under test at east and west coast locations in Australia for applications in Defence and Offshore Oil & Gas.



Samples for testing in tropical conditions at HMAS Cairns in Queensland have been supplied to Defence Science & Technology (DST) Group. Materials that were ClearSignal® coated included glass, perspex and rubber for deployment on Defence reference sites in tropical waters.

In Offshore Oil & Gas, ClearSignal coatings are under test as one component of the Transforming Australia Subsea Equipment Reliability (TASER) project. Wood is leading the program in collaboration with Chevron, Shell, and Woodside. TASER is a follow-up to the Subsea Equipment Australian Reliability joint industry project (SEAR JIP) also led by Wood and supported by various operators.

A key differentiator of ClearSignal coating for biofouling prevention is robustness and resistance to damage when cleaning. ClearSignal is in use on a variety of undersea devices from seismic streamer systems, sonars, undersea vehicles and other oil and gas systems. ClearSignal is a highly specialised and ruggedised coating system and as such often the choice for critical undersea systems that need long term biofouling protection.



[Read More: ClearSignal® - Applications in Defence and Offshore Oil & Gas](#)

[Read More: ClearSignal® - Biofouling Protection for the Life of the Instrument](#)

SeaBat® F30 High Resolution Forward-looking Multibeam Sonar Demo

Unique dual frequency sonar with 2D imaging and 3D FLS bathymetry

BlueZone with partners Teledyne Reson have completed a demonstration of the SeaBat® F30 High Resolution Forward-looking Multibeam Sonar at Pittwater in NSW. The SeaBat® 3D mode provides range, bearing, and vertical incidence angle for all echoes with 2D imaging and 3D FLS bathymetry.

BlueZone East Coast GM, Andrew Hazell, said that the demonstration was organised due to strong demand and interest from both Navy and Army potential users. “The F30 Forward-looking technology fills a much-needed gap in sonar capability,” said Andrew, “Many Defence users are considering the need to operate in an around the surf-zone and the Forward-looking capability enables surveillance from the seaside towards the coastline.”



[Read More: The SeaBat F30 high-resolution Forward-Looking Sonar System](#)

Norman Ballard Joins BlueZone Group

BlueZone is very pleased to welcome Norman Ballard as General Manager Engineering to our team based in Newcastle, NSW.

Norman will lead the award-winning BlueZone engineering team, supporting and developing products for our customers operating in the Australia's "Blue Economy" including Defence, Offshore Oil& Gas, Oceanographic Science and Hydrographic Survey. Increasingly BlueZone has completed engineering projects for exciting projects in robotics and maritime unmanned systems. Just as drones and robotics are rapidly finding land-based applications, maritime robotics provides new ways to complete the "dull, dangerous and dirty" tasks in Australia's oceans, coastal seas, rivers and water infrastructure.



[Read More: Norman Ballard Joins BlueZone Engineering Team](#)

Supporting Subs in Schools

Exploring New Depths In STEM



BlueZone Group engineers have been pleased to provide support to Subs in Schools teams at St. Phillips Christian College in Newcastle.

Custis Schur (Electrical Engineer) and Ashwin Chandrasekaran (Mechatronics Engineer) worked with students on their projects providing assistance and advice. Both teams accomplished much and moved forward with their assignments.



Subs in Schools Technology Challenge™ is the result of collaboration between REA, the Department of Defence and industry stakeholders including the Australian Submarine Corporation and Saab Australia. It was conceived in response to the Australian Government's announcement of the \$50 billion Future Submarine Program. It is the world's first in-class submarine design competition.

[Read More: Subs in Schools Technology Challenge™](#)

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.

DIN Industry Forum - 5 September - Wollongong

At the Defence Innovation Network (DIN) industry forum BlueZone CTO, Darren Burrowes, will join with leading researchers and industry partners in Maritime Surveillance & Undersea Autonomy for an afternoon of collaboration and networking. The DIN Industry Forum will include a laboratory tour and presentations from

industry and academics on core capabilities and research interests in Maritime Surveillance & Undersea Autonomy. Darren will present on the BlueZone Group story as an established Defence SME providing support for ADF Maritime Unmanned Systems including Saab Double Eagle Mine Disposal Vehicles, Liquid Robotics Wave Glider and Hydroid REMUS Autonomous Underwater Vehicles.

Defence & Security Equipment International (DSEI) – 10 to 13 September – London

BlueZone CEO, Neil Hodges, will attend DSEI London and is interested to meet with current and potential BlueZone Group suppliers.

Pacific 2019 - 8 to 10 October – Sydney – Stand 4P4

Join BlueZone Group at Pacific 2019 this year when it returns to Sydney. The BlueZone exhibit will focus on our Maritime Unmanned Systems and Marine Robotics expertise for Mine Countermeasures (MCM) and other applications for demanding customers operating in harsh environments:

- MCM Covert Search: Autonomous Underwater Vehicle capability for covert search
- MCM Rapid Search: Advanced Mine Hunting Multi-Beam Side Scan Sonar for rapid search with real-time data feedback
- MCM Disposal: Multi-shot mine neutralisation systems for assured mine destruction in all weather and sea conditions
- Product Solutions: MARTAC Unmanned Surface Vehicles for innovative performance in the marine environment

Teledyne Marine Technology Workshop – 6 to 9 October – San Diego



Explore, Learn, Share!

TELEDYNE MARINE TECHNOLOGY WORKSHOP 2019

October 6-9, 2019
Paradise Point Resort & Spa
San Diego, CA, USA

Join Teledyne Marine for their ever expanding users' workshop in which speakers, influencers, and attendees from around the globe will converge to explore, learn and share their experiences on a broad range of products, applications and technology.

This intensive workshop, which kicks off with a day of networking, will include customer presentations, product demonstrations, field service meetings, obstacle and on-water demonstrations provided by Teledyne Marine's best-in-class industry leading brands.

Products will include: ADCPs, CTBs, DVLs, Imaging and Mapping Sonars and Software, Motion Sensors, Navigation Systems, AUVs, ROVs, Lights and Cameras, Neotoms, Gliders, Surface Vehicles, Interconnect Solutions – and more!

For all the information, visit:
<http://www.teledynemarine.com/events/TMTW2019>

TELEDYNE MARINE
Everywhere you look
www.teledynemarine.com

BlueZone will Teledyne Marine for their newly expanded users' workshop in which speakers, influencers, and attendees from around the globe will converge to explore, learn and share their experiences on a broad range of products, applications and technology.

[Register for MTW2019](#)

New Products & Services



OG05 Teledyne Reson SeaBat® T20P Deployment & Integration Kit

Fast & Easy Deployment of SeaBat® T20P Multi-Beam Echo Sounder

The OG05 Teledyne Reson T20P Integration Kit provides for fast deployment and easy integration of the SeaBat® T20P Multi Beam Echo Sounder (MBES) into small boats or other survey vessels.

The complete OG05 Teledyne Reson T20P Integration Kit is re-packaged from multiple shipping boxes to just four rugged and transportable “Pelican” type cases. Each case weighs less than 32kg (70lb) and is fitted with wheels for easy manoeuvring through airports. A survey crew can deploy on commercial airlines using standard baggage allowances for T20P transport. The crew arrives at the same time as the equipment without the need for complicated shipment arrangements.

[Read More: The T20P – Now Truly Portable](#)

Xeos End of Life Announcement

Manufacture of Xeos Sable and Xeos Melo discontinued

Xeos Technologies have announced they will be discontinuing the manufacturing of Xeos Sable and Xeos Melo. As a suggested alternative, Xeos Apollo and Xeos Rover, respectively, are recommended.

Xeos will support Sable and Melo for a limited time in order to allow for future planning and last time buy opportunities are now available. Service and support will continue indefinitely.

Last time buy conditions:

Date for last order acceptance: December 31st, 2019

Factory orders will not be accepted after this date.

Date for last shipment: May 31st, 2020

All order will be scheduled with ship dates no later than this date.

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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