

Drone Technology Drives Development



Development work for new robotic boat technology for Army is progressing at BlueZone Group driven by technologies available from the Unmanned Aerial Vehicle (UAV) or ‘drone’ world.

BlueZone Group CTO, Darren Burrowes, said that the large amount of light-weight and low-cost technologies developed for drone applications provided many options for application to the Robotic Z-Boat. “Miniaturisation of navigation systems such as Inertial Navigation Systems and GPS are very suitable for our applications,” said Darren, “Combined with sensors such as LiDAR and multi-beam sonar the Z-Boats can provide a powerful capability in an easily deployed package.”

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ClearSignal® Treatment for SeaBat® T50-P Multibeam Sonar

BlueZone Group has completed the first ClearSignal® treatment of a Teledyne Reson SeaBat® T50-P Multibeam Sonar.

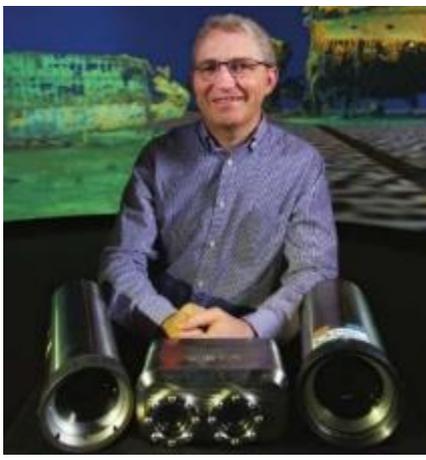
The SeaBat® T50-P is the new addition to the leading SeaBat® T-series product range engineered from the ground up. Combined with the Portable Sonar Processor the SeaBat® T50-P provides unprecedented survey data, providing faster operational surveys and reduced processing time.

BlueZone has worked closely with Severn Marine Technologies, developers of ClearSignal® and its corporate partner Mid-Mountain Materials to establish an Australia-based ClearSignal® coating capability. Hank Lobe, Severn Marine CEO, said that Severn Marine was extremely happy to see the benefits of ClearSignal® coating being offered to customers in Australia with in country application and support.



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BlueZone Congratulates Innovative Engineer Andrew Woods



BlueZone Group congratulates Dr Andrew Woods of Curtin University for his naming in the 2017 list of “Australia’s Most Innovative Engineers” prepared by Engineers Australia - for the development of the Deep-water 3D Imaging System used to survey HMAS Sydney II and HSK Kormoran.

A custom deep-water lighting and camera package was developed for the project and BlueZone was pleased to provide equipment including twenty Teledyne Bowtech LED-V-Series lights which provided 400,000 lumens of light (equivalent of 500 home light globes) into what is normally a totally dark abyss. A Teledyne Bowtech Surveyor 3DHD camera and Surveyor (2D) HD camera captured the haunting scene of the two wrecks.

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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 that 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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BlueZone Group Supports NSW Inquiry into the Defence Industry



BlueZone Group has presented at the NSW Legislative Council Inquiry into the Defence Industry in New South Wales. BlueZone Group CEO, Neil Hodges, attended as one of three industry representatives together with Chris Jenkins (CEO Thales Australia) and Mark Burgess (CEO Quickstep).

Neil said that the future marine battlespace will include remote-controlled and autonomous surface and underwater vehicles. “This technology is a key strategic advantage for the defence of Australia with vast marine areas to monitor and patrol,” said Neil, “Companies such as the BlueZone Group have over 15-years’ experience in support and maintenance of this technology and we should use leverage this further develop a strategic industry capability to support our defence forces.”

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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.

Teledyne Marine Technology Workshop 2017 October 15-18 – San Diego, USA



BlueZone Group will be attending the newly expanded Teledyne Marine Technology Workshop this year in October in San Diego. Why not join speakers, influencers, and attendees from around the globe to explore, learn, and share their experiences on a broad range of technologies?

This three-day workshop, which is preceded by a full day of networking activities, will include customer presentations, product/software training, field service meetings, networking opportunities, and on-water demonstrations provided by Teledyne Marine's top-tier oceanographic manufacturers. Products will range from: ADCPs, CTDs, DVLs, Imaging and Mapping Sonars and Software, Motion Sensors, Navigation Systems, AUVs, ROVs, Lights and Cameras, Modems, Gliders, Surface Vehicles, Interconnect Solutions – and more!

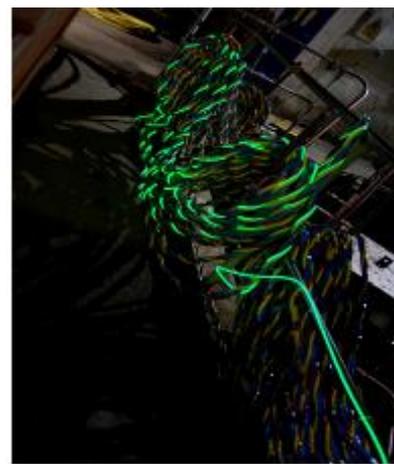
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New Products & Services

LIGHTPATH

The LIGHTPATH concept is a very simple one and potential applications are numerous. LIGHTPATH is a patented fibre illumination system a concept that is based on side-emitting optical fibre creating a continuous and flexible line of light only 5mm diameter and typically 75m in length that carries only light and no electrical power.

The LIGHTPATH fibre can simply be wound into the lay of an existing saturation dive umbilical for retro-fit of the illumination system.

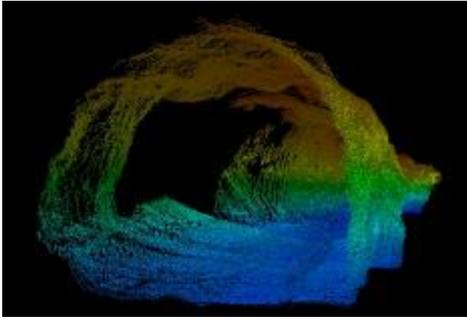


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High Resolution Structural Inspection of Flooded Tunnel

Acquiring accurate data on the structural integrity of submerged tunnels, as well as shafts and underwater caverns, has long been a challenging and costly problem for water companies, hydroelectric schemes and mine operators alike.

Recent developments of Teledyne BlueView T2250 Multibeam Profiling Sonar technology enable collection of 3D data resulting in an accurate profile of an underwater structure to be developed. Using high frequency, low power acoustic multibeam technology, overlapping narrow beams create a continuous 360° profile of the tunnel.



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