

## Army Innovation Award – Robotic Z-Boat

BlueZone Group is pleased to announce the award of an order to UVS Pty Ltd for supply of three robotic “Z-Boats” to The Australian Army. This order comes as a direct result of BZG’s participation in Army Innovation Day (AID) 2016 where the lead theme was ‘manned and unmanned teaming for the soldier.’



BlueZone Group General Manager Defence, Andrew Hazell, said that BlueZone Group’s exhibiting of the Teledyne OceanScience Z-Boat at AID 2016 had attracted a large amount of attention from the AID delegates. “We found the Army Innovation Day experience to be a thoroughly refreshing way to approach innovation for the Australian Defence Force,” said Andrew, “The Innovation Day initiative was an ideal low-logistics way for SMEs to introduce innovative technologies to Army and to have detailed conversation with potential users in an atmosphere of collaboration.”

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## LIGHTPATH Now Available for Demo in Australia

BlueZone UVS is pleased to offer the innovative PhotoSynergy LIGHTPATH product for demonstration in Australia. LIGHTPATH is a range of fibre lighting systems which have been in operation in the North Sea for 4 years, principally used to illuminate dive umbilicals but also increasingly to delineate structures on the seabed and tether lines.

An SLS5000 unit with a 30m length of fibre is available for demonstration in Australia. The SLS5000 is the standard lighting source recommended for saturation dive umbilicals, requires only 7W of power from 12/24 VDC and comes with helium relief valve and optional switch. SLS5000 units are depth rated to 500m and available with green, blue or white output. The 5mm diameter fibre is supplied to length with our proprietary wet-mate OPL2 optical coupling at one end (or at both ends for double-injection systems).



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## Bowtech Burns Bright



Sydney Kormoran Expedition 2015 - HMAS Sydney [1] damaged. © Jurist  
Image courtesy of RAN Museum and Griffith University. Copyright: RAN Museum

ROVs fitted with Teledyne Bowtech lights and cameras capable of operating successfully at 2500m underwater were used for the historic mission to conduct a detailed 3D imaging survey of the wreck sites of HMAS Sydney (II) and the German raider HSK Kormoran. The team collected half a million photographs and 300 hours of high definition video footage – in total some 50 terabytes worth of data. The equipment used to survey the site included twenty 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 Bowtech Surveyor 3DHD camera and Surveyor (2D) HD camera captured the haunting scene of the two wrecks.

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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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## Kongsberg Maritime Colour Pan and Tilt Zoom (PATZ)

Kongsberg Maritime has launched two new Colour Pan and Tilt Zoom (PATZ) cameras. The OE14-222 (PAL) and OE14-223 (NTSC) underwater CCD colour cameras provide completely enclosed pan, tilt and zoom functionality. KONGSBERG's new cameras support a wide range of applications including, observational and situational awareness tasks, close proximity inspection, process monitoring, marine science applications and manned submersible deployment.

OE14-222/3 cameras share the same form factor and mounting arrangement, enabling them to be used as drop in replacements for the outgoing OE14-122/3 cameras.



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