

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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Deepsea and DGO

Hollywood director James Cameron secretly built the Deepsea Challenger submarine in Sydney for his voyage to the planet's deepest point, 11 kilometres below the sea surface to the Mariana Trench between New Guinea and Japan. The Deepsea Challenger team selected Teledyne DGO submarine hull penetrators to power critical systems. Teledyne DGO has decades of experience providing electrical submarine hull penetrators to the US Navy with no known failures to date, giving the team the confidence in the reliability of the technology.



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Double Eagle for Assured MCM Capability



With a range of up to 1km and depth rating of 500m the Saab Double Eagle Mine Disposal System remains the reference system for remotely operated mine counter measures capability. Powerful propulsion packages enable underwater speeds of up to 8 knots ensuring that the Double Eagle can operate in the harsh maritime operational areas of Australia's coastal seas and oceans.

Operated by eight nations, the Saab Double Eagle has been in-service with the Royal Australian Navy since the introduction of the HUON Class Minehunter Coastal in 1999. Since delivery of the Mk II system at that time, Saab has continued to develop the Double Eagle concept and now offers a range of vehicle configurations comprised of propulsion packages, energy systems and payload options to counter the modern mine threat. Double Eagle configurations to support many types of operational concepts are available from Task Group MCM to specialised Minehunter Ships like the HUON Class.

Additive Manufacturing (3D Printing) at BlueZone Group



The BlueZone Group engineering team have kept the new Markforged carbon fibre / composite 3D printer busy at the Perth workshop. Printing continuously with Carbon Fibre, Fiberglass, and Kevlar the ability to produce printed parts with the strength of metal has turbo-charged hardware engineering development for BlueZone customers.

Mark Musarra, General Manager Perth, said that a key discriminator of the BlueZone Subsea Cable Moulding Service <http://www.uvs.com.au/services/polyurethane-moulding-service> was fast turnaround for customers with urgent requirements and demand for high quality products, and that the 3D printing capability would continue to enhance this service.

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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.

World Oceans Day – 8 June

BlueZone Group joins with the United Nations and organisations around the globe to celebrate World Oceans Day.

Originally proposed by the Government of Canada at the Earth Summit in Rio de Janeiro in 1992, World Oceans Day celebrates the ocean, its importance in our lives, and how we can protect it.

A healthy world ocean is critical to our survival. Every year, World Oceans Day provides a unique opportunity to honour, help protect, and conserve the world's oceans. The World Oceans Day theme for 2017 is "Our Oceans, Our Future".

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Teledyne Marine Technology Workshop 2017

October 15-18 – San Diego, USA

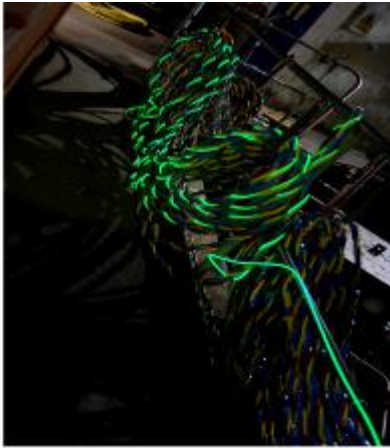
BlueZone Group will be attending the newly expanded Teledyne Marine Technology Workshop this year in October in San Diego. Why not join speakers, influencers, and attendees from around the globe to explore, learn, and share their experiences on a broad range of technologies?



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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NEWCASTLE

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

MELBOURNE

9 Macquarie Place
Boronia VIC 3155 Australia
Tel: +61 3 8720 0300

PERTH

Unit 1, 41 Discovery Drive
Bibra Lake WA 6163 Australia
Tel: +61 8 65951500

www.uvs.com.au

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