

MARTAC Devil Ray Refuelling at Sea

The MARTAC Devil Ray USV increased endurance by refuelling at sea

The MARTAC Devil Ray USV has achieved another milestone this month as it refuelled while at sea during an exercise in the Persian Gulf. The production version of the Devil Ray operates for over 1000 nautical miles at normal speed but refuelling during operations can extend the vessel's mission endurance and operational capability.

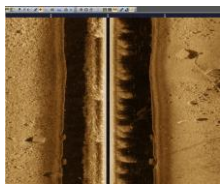
The ability to be refuelled at sea means the Devil Ray USV becomes part of the at sea operational force. The USV can operate autonomously to augment crewed capabilities and its open architecture has proven to be compatible with many naval systems.



[MARTAC's Devil Ray Refuelling at Sea](#)

SEABER's YUCO-SCAN Micro-AUV

Let's track a 35mm cable with a micro-AUV!



SEABER recently worked with a French surveying company to conduct surveys using the YUCO-SCAN micro-AUV. The survey mission was to identify and track a 35 mm telecom cable over 1 km in water depths up to 50 m. During the mission, YUCO-SCAN was able to easily identify and survey the cable on the seabed and detect any potential problems. The YUCO-SCAN is a compact, one-man portable micro-AUV which is a cost effective and simple way to perform bathymetric surveys. The micro-AUV is equipped with a 680kHz Side Scan Sonar which provides great quality images with high-stability and accurate navigation.



SEABER's micro-AUVs are designed to fill in the gaps for coastal water monitoring and are capable of managing coastal areas with waves and currents. The YUCO AUV range can navigate to depths of 300m with 8-10 hours autonomy, weighing 10kg and measuring 1m long.

[SEABER's YUCO-SCAN Micro-AUV](#)

Leaders at Culture Summit

Representatives from the BlueZone team attended Culture Is The Strategy Summit in Hunter Valley

Being More Human presented the *Culture Is The Strategy Summit* in the Hunter Valley today, and discussed some of the new issues that leaders are facing and the challenges presented when trying to maintain the most positive and constructive culture for our organisations. There have been significant changes in the world over the past 3 years and the changing macroeconomic environment has led to changes in the way we live and the way we work.

The presenters raised some very interesting (and at times hilarious) suggestions on ways we can all work on our leadership and culture. Culture is not the responsibility of any one individual, or of the HR department, it comes from everyone in the organisation. At BlueZone we believe we have a strong and very positive culture which has contributed to our history of employees staying with us for years and decades. However, we are always happy to learn!



[BlueZone Leaders at the Culture Summit](#)

Obscape's New OBS-BUOY₇^W Wave Buoy

Setting New Standards for Wave Measurements



Obscape have released a new and impressive OBS-BUOY₇^W Wave Buoy. The solar powered OBS-BUOY₇^W is designed to suit a range of wave observations, regardless of the location and budget. Accurate real time wave data provides the user with real-time data through a robust telemetry solution (4g, 2g or satellite) to the powerful and free-to-use Obscape Data Portal. The ruggedness and functionality of the OBS-BUOY₇^W is the same as the previous Wave Buoys, but with improved features.



The OBS-BUOY₇^W uses a combination of motion sensors and an electronic compass to measure the directional wave field with high accuracy. This yields the directional wave spectrum and all parameters that can be derived from it, such as the 1-dimensional energy-density spectrum and a range of bulk wave parameters (significant wave height, peak wave period, peak wave direction, etc.).

[Obscape OBS-BUOY₇^W](#)

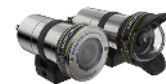
DeepSea Power & Light's New SmartSight™ Machine Vision Camera Family

Machine Vision Systems Into Next-Generation Autonomous Platforms

DeepSea began working with industry partners to develop a line of machine vision cameras tailored to the growing needs of subsea leaders in autonomy, machine learning, and AI. These collaborations and listening campaigns have produced the new SmartSight™ camera platform. The platform combines best-in-class machine vision components with DeepSea's proven subsea imaging design capabilities.



The SmartSight™ MV1 camera is the first in a new category of products from DeepSea designed to push the adoption and ease of implementation of machine vision systems into next-generation autonomous platforms. System architects now have an off-the-shelf solution to add computer vision components to their designs, freeing them up to focus on the value-add autonomy, object recognition, navigation, and inspection technology that sets them apart.



[DeepSea SmartSight Camera](#)

The BlueZone Team

Enquire about future possibilities at BlueZone



BlueZone offers employees the opportunity to discover a career in the last frontier – the world's oceans. Join a company with a passion for innovation, excellence, and solution delivery.

We are currently seeking to fill the following positions in our Newcastle office:

- Contract Coordinator

If you are interested in joining the team at BlueZone, follow the link below to send through your enquiry and details.

[Join the BlueZone Group team](#)

Events

Hunter Defence | Hunter Defence Conference | Hunter Valley | 23 - 24 August 2023

The Hunter Defence Conference is Australia's premier regional Defence event, attracting over 220 delegates and keynote speakers from the defence sector nationally.

The format for this year's event has been refined and enhanced based on attendee feedback, and will feature a two-day conference, SME exhibition, cocktail evening, and gala dinner. The agenda will centre around the impact on the Hunter Region of two of the most important Defence initiatives in recent history: the Defence Strategic Review and AUKUS. The Conference will provide a key opportunity to hear the latest updates on both initiatives

from key government, industry, and Defence personnel, as well as take part in critical discussions about what they mean for the region and what Defence in the Hunter will look like in the future.

Teledyne Marine | Teledyne Marine Technology Workshop | Bangkok | 17 - 18 October 2023

The Teledyne Marine Technology Workshop (TMTW) conference consists of 2 days of presentations and demos of the latest Teledyne Marine products. The first day of the Teledyne Marine Technology Workshop 2023 in Bangkok, Thailand will be a full conference day. Teledyne Marine and operator speakers will introduce the Teledyne Marine product range and highlight some of the most interesting applications. The second day is dedicated to breakout sessions and on-water demos.

SUT | Autonomous Marine Technology (AMT) Conference | Perth | 18 - 19 October 2023

The Autonomous Marine Technology (AMT) Conference will be held in Perth, Western Australia in October. The conference aims to showcase the rapid advances in the AMT field along with demonstrating real world and future potential applications of the different technologies within our marine environment. This long running and well reputed conference continue to be one of the most globally essential knowledge centres and networking opportunities in this field, allowing delegates to meet with industry leaders, academics and researchers in this innovative section of subsea development.

AMDA | Indo Pacific | Sydney | 07 - 09 November 2023

The Indo Pacific International Maritime Exposition is the region's premier commercial maritime and naval defence exposition, connecting Australian and international defence, industry, government, academia, and technology leaders, in the national interest. The three-day event is a platform for engagement and incorporates an international industry exhibition, specialist conference program featuring presentations and symposia from leading maritime institutions and networking opportunities.

[Upcoming Events](#)

New Products & Services

DeepSea Power & Light *Multi SeaLite*

DeepSea Power & Light's Multi SeaLite is their most popular halogen light and has been in production for over 20 years. This economical light is available with up to a 6,000 m depth rating. This family of lights is easy to use and field serviceable. Multiple configurations are available. The Multi SeaLite includes a mounting bracket with titanium inserts.



Key Features include:

- Up to 6km depth rating
- Beam angle options
- Compact size



[DeepSea Multi SeaLite](#)

DeepSea Power & Light *LED SeaLite*



DeepSea Power & Light's LED SeaLite meets the demands for the market challenges of today. This subsea light emits up to 10,000 lumens and is available in multiple LED, beam pattern, input voltage, and depth configurations. The standard sapphire port has a 6,000 m or 11,000 m depth rating and the optional acrylic port has a 4,000 m depth rating. The LED SeaLite includes a mounting bracket with titanium inserts.



The LSL-1000 and LSL-2000 models have a wide range of accepted voltage inputs as well as a low inrush current. Both digital and analog dimming interfaces support flicker-free dimming. This light comes standard with intelligent thermal protections that always put out the maximum light for the current operating temperature. The LSL-2025 adds Multiray® technology to incorporate two sets of LED sources in a single fixture.

[DeepSea LED SeaLite](#)

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