

The US Navy “Hybrid Fleet” Concept

[The U.S. Navy “Hybrid Fleet” Concept – Operations for achieving a Navy fleet of 500 ships](#)

The U.S. Navy stands at the precipice of a monumental technological advancement. In an address at the 2022 “West” conference, the Chief of Naval Operations, Admiral Michael Gilday, revealed the Navy’s goal to reach 500 ships by adding approximately 150 large unmanned maritime vehicles to the Navy’s inventory. This plan added additional granularity to the Navy’s UNMANNED Campaign Framework and was eventually dubbed “The Hybrid Fleet.”



Using MARTAC vessels as an example, numerous T38 or T24 Devil Ray USVs can be deployed to a point near the intended operation. The T38 can perform the mission independently, or alternatively can launch one or more T12 MANTAS USVs to perform ISR or MCM missions. Each USV can house and deploy a large range of payloads and sensors to achieve the desired mission. These vessels can undertake the “dull, dirty and dangerous” work conducted by Defence, operated from a command station well away from harm.



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BlueZone recognised as a SEABER Distributor

[BlueZone is working with SEABER as their Australian Distributor for the micro AUV products](#)



In August 2023, BlueZone Group and SEABER signed an agreement to name BlueZone as an authorised Australian distributor for SEABER Micro AUV products. This partnership will provide the opportunity to fill the gaps in coastal water monitoring with SEABER’s highly accessible micro AUVs. The YUCO and MARVEL micro AUV range are developed to meet the specific requirements of oceanographic researchers and navies.



The YUCO micro AUV range is designed to be used for research and commercial oceanographic applications. SEABER’s YUCO range is accessible to all types of users and is a single task “off the shelf”, affordable and reliable system which can be deployed and received by an individual operator. The MARVEL micro-AUV range is used for more defence orientated sectors such as security and coast guard applications. The MARVEL range consists of absolute positioning, underwater communication, improved data security and new payload capabilities.

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BlueZone Group Named Distributor of SRS Fusion ROV

[Diving into the Future: BlueZone Group Welcomes the Strategic Robotic Systems Fusion ROV Product Range](#)

BlueZone Group is thrilled to announce the latest addition to our ROV and diving product range: the Strategic Robotic Systems Fusion Remotely Operated Vehicle (ROV). This groundbreaking collaboration marks a significant stride forward for both companies, ushering in a new era of innovation and possibilities in the realm of underwater robotics. The integration of Strategic Robotic Systems’ Fusion ROV into our product lineup strengthens BlueZone Group’s commitment to offering the most advanced and comprehensive solutions to our clients across various sectors.



FUSION is a highly capable tethered ROV system providing real time feedback and interaction. With a simple software update (in countries not restricted) FUSION can be turned into an untethered autonomous underwater vehicle (AUV) to conduct traditional or complex missions without the use of a tether. Add in the third function that sets FUSION apart is the optional diver module that turns FUSION into a diver propulsion and navigation device.



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DeepSea's SeaBattery® Power Module

A Reliable Subsea Pressure Compensated Submersible Battery



DeepSea Power & Light have provided the subsea community with their SeaBattery Power Module for over 30 years. The SeaBattery is a durable and pressure compensated design, that can work in the most demanding subsea applications and up to a depth rating of 11,000m. The SeaBattery Power Modules use Absorbent Glass Mat (AGM) lead-acid cells which add vibration and shock resistance. These Power Modules continue to work when inverted and are pressure compensated using mineral oil. The batteries are offered multiple configurations including: 6V, 12V, 24V or 48V depending on the operation requirements.

[DeepSea's SeaBattery® Power Module](#)

Upcoming Events

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 International Maritime Expo | 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. BlueZone is looking forward to meeting many of our customers in Sydney. [Request](#) a meeting or come and visit the team at Stand 4L6.

[Upcoming Events](#)

New Products & Services

OceanTools

D10 DyeTector® - Three channel subsea dye detection system

OceanTools D10 DyeTector is an advanced subsea leak, dye and cement detector developed with three sets of optical components to detect the three primary dyes used for underwater detection – rhodamine, ultraviolet and fluorescein – using a single compact device.

Key Features:

- Rhodamine, Fluorescein & Ultraviolet dye detection
- Focused beam & filtered high intensity LEDs
- Light amplification and photon detection technology
- Compact alternative to using separate detectors



[OceanTools D10 DyeTector®](#)

Newcastle

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

Perth

+61 8 6595 1500
Unit 1, 41 Discovery Drive
Elibra Lake, WA 6163, Australia

www.bluezonegroup.com.au

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