



A **HEICO** COMPANY



NEXT GENERATION Aerial Delivery Systems

First for Commonality, First for Modularity, First for Interoperability

UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM*

*UMCADS is patent pending as follows: Universal Maritime Craft Aerial Delivery System (UMCADS),” (Application No. 18/165,585 and Application No. PCT/US23/62125, respectively, both filed 7 February 2023) and “Mid-Air Release Module Assembly, (Application No. 18/393,115 and Application No. PCT/US23/85525, respectively, both filed December 21, 2023).

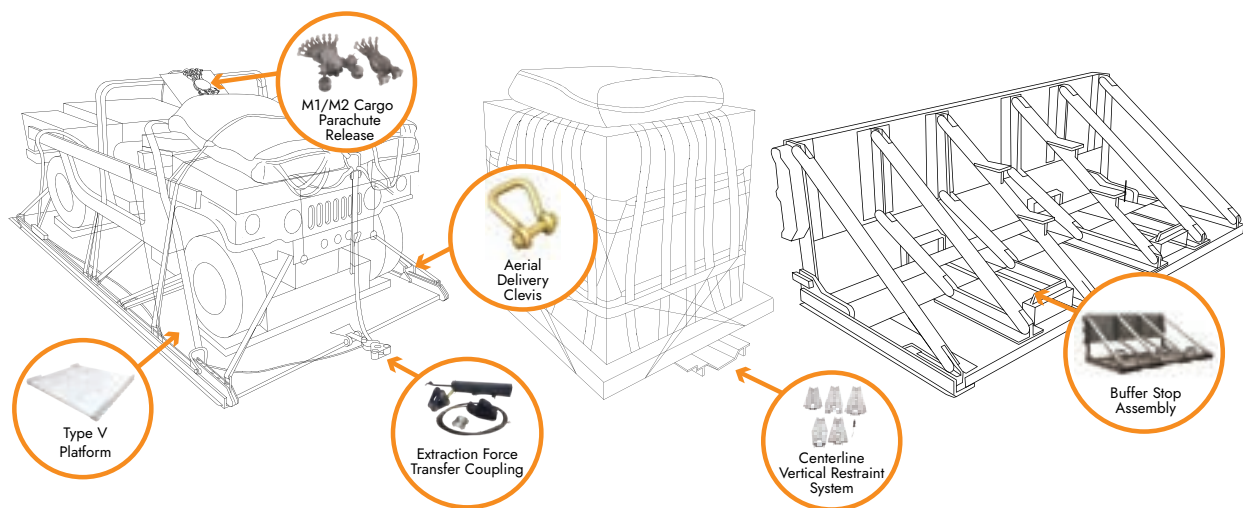


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For over 140 years, Capewell has supported the U.S. military. Through continuous effort and innovation, we have become the global leader in aerial delivery and descent solutions, providing advanced, reliable equipment to the U.S. military, our Allies, and partners worldwide.

Since our founding in 1881, we have built a legacy of manufacturing high-quality products designed to perform flawlessly—first time, every time. Our products are designed and built to meet the highest industry standards, with rigorous quality controls in place to ensure consistent performance and reliability. We are proud to be certified to both AS9100 and ISO 9001 quality management standards, demonstrating our unwavering commitment to excellence in every aspect of our operations.

Capewell's extensive portfolio of cutting-edge systems is engineered to meet the evolving needs of today's military and defense operations. With a steadfast focus on innovation and customer satisfaction, we continue to deliver solutions that ensure mission success and operational readiness for those who depend on us most. At Capewell, quality is not just a standard—it's the foundation of everything we do. As we look ahead, we remain dedicated to developing the next generation of technologies that will shape the security landscape for years to come.



AERIAL DELIVERY EQUIPMENT

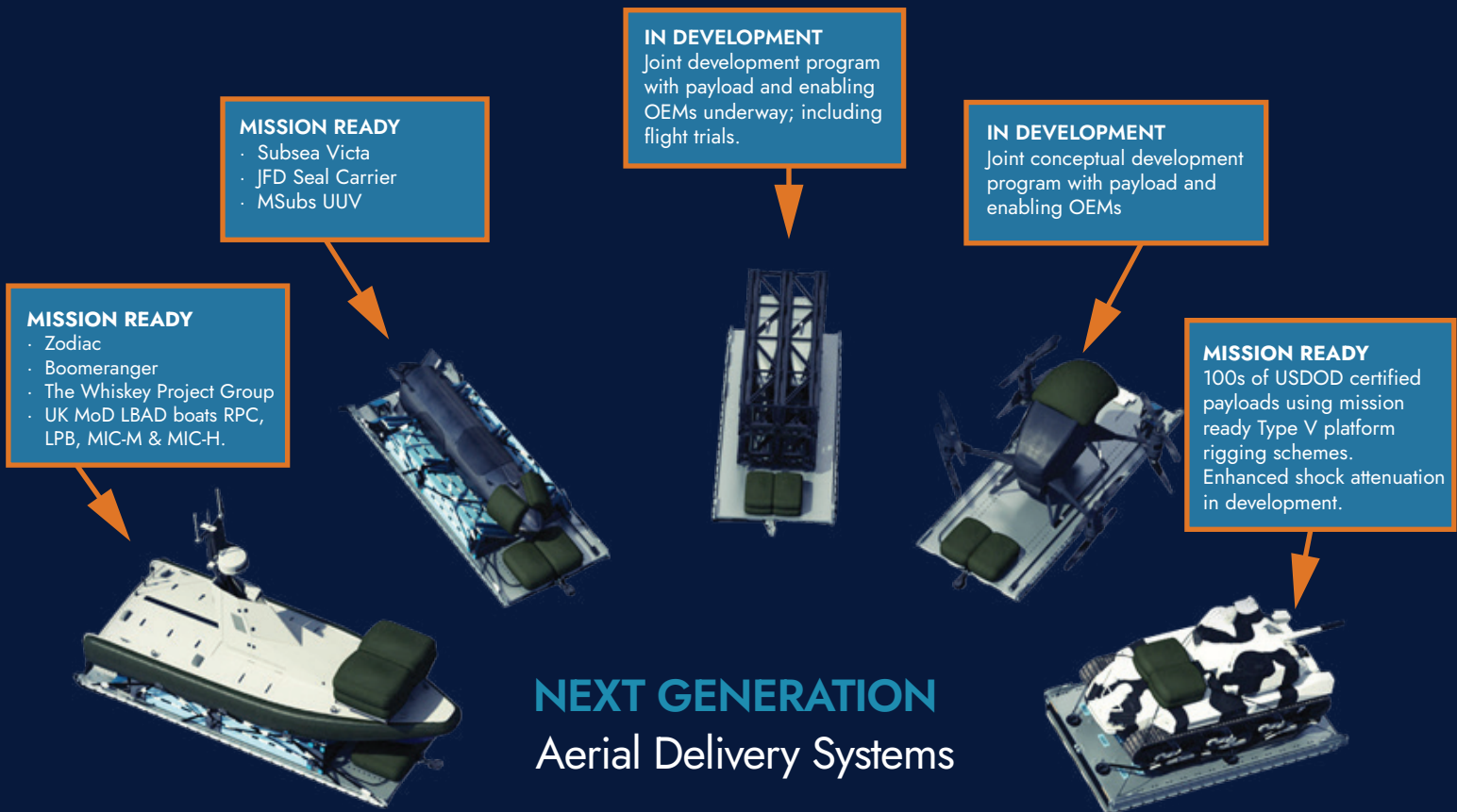


PARACHUTING EQUIPMENT



EMERGENCY DESCENT DEVICES

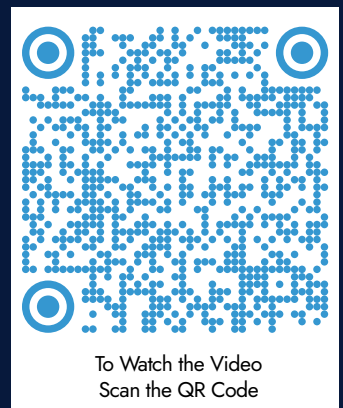
NEXT GENERATION AERIAL DELIVERY SYSTEMS



First for Commonality, First for Modularity, First for Interoperability

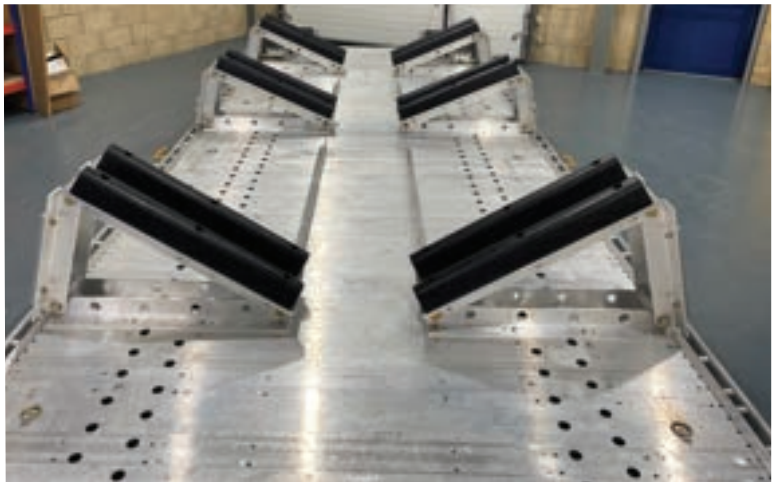
For decades the US DOD and its Allies have had to use bespoke AD platform solutions for different applications, or enhancements to the proven universal Type V have been produced in low volumes by multiple manufacturers. Our Next Generation Aerial Delivery Systems (NGADS) portfolio brings a range of AD capabilities under one universal design solution utilizing the proven, NATO-standard Type V platform aircraft interfaces, ancillaries and parachutes.

Developed in stages, NGADS is mission ready to deploy crewed and uncrewed maritime watercraft and land vehicles into contested operational areas. Near future, soft-landing technologies will be assessed and integrated onto the land system to enhance its operational utility.



REDUCED LOGISTIC BURDEN

As a modular Type V platform-based solution, UMCADS is delivered flat-packed in standard shipping containers, which are wholly assembled, maintained, and operated by the end user which reduces OEM repairs/overhauls to a minimum while providing the end user with the greatest flexibility to store, ship, and operate overseas. If required, the system can also be stacked as a fully assembled platform.



PARTNERSHIPS: ZODIAC MILPRO

Capewell is delighted to partner with Zodiac Milpro International, introducing them to UMCADS and exploring opportunities across NATO and its allies. The seamless ability to take our universal and modular Type V derivative platform solution, scale it to the length of watercraft, and integrate vessels from the Zodiac Hurricane range using our user-reconfigurable cradle assembly highlights a unique, cost-effective benefit compared to the alternative of custom-made platforms with single-use cases. Another key distinguishing feature is the ability to accommodate and support these longer vessels with the UMCADS modular design, reducing craft stresses, especially for newer aircraft that operate at a higher g-force rating.

ZODIAC
MILPRO



DEPLOYMENT OF UNMANNED VESSELS: PARTNERSHIP: KRAKEN TECHNOLOGIES

Capewell is thrilled to partner with Kraken to assess their K3 Scout Unmanned Surface Vessel (USV) on UMCADS. Deploying such watercraft by parachute to contested areas enhances operating endurance and speed of deployment, compared to a ship-launched deployment that could take days.

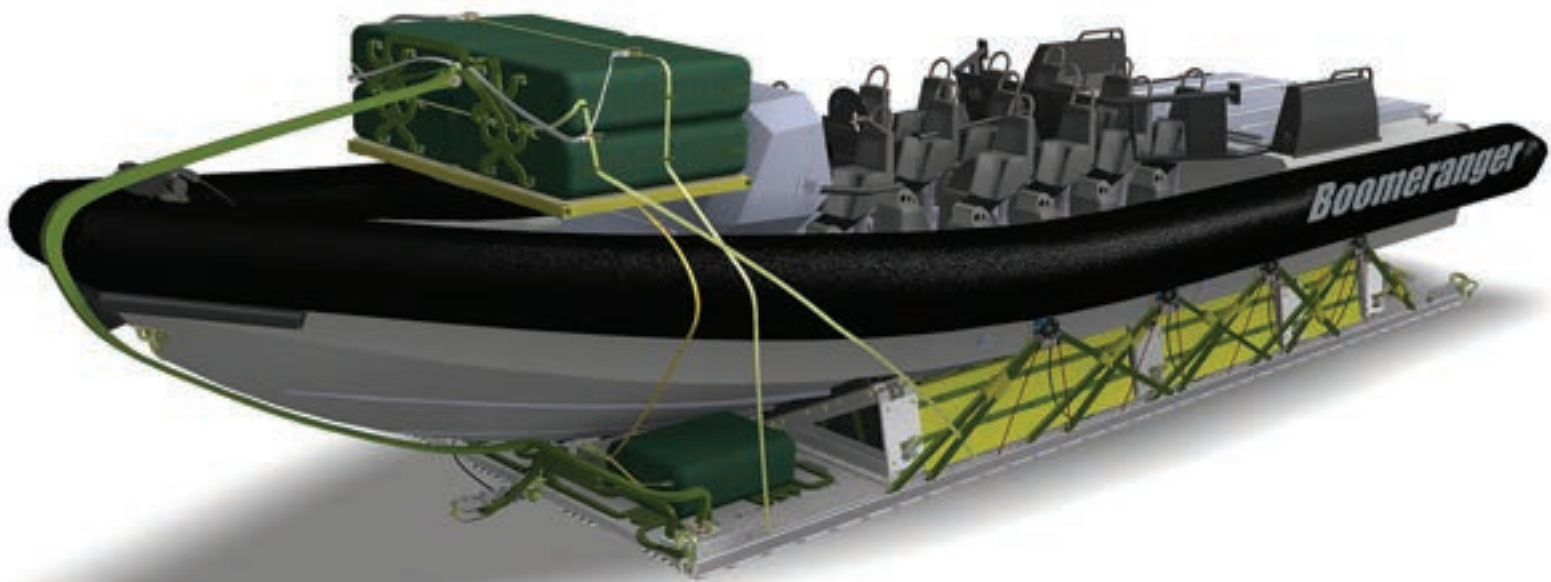
KRAKEN



PARTNERSHIP - BOOMERANGER

Capewell is excited to partner with Boomeranger and introduce them to the concept of UMCADS. Recently, with the emergence of end users wanting to airdrop larger fast interceptor boats greater than 12 meters, UMCADS has demonstrated its key distinguishing feature: the ability to accommodate and support these longer vessels with its modular design, reducing craft stresses.

Boomeranger
— SAFE RETURNS —



PARTNERSHIP - SUBSEA CRAFT VICTA

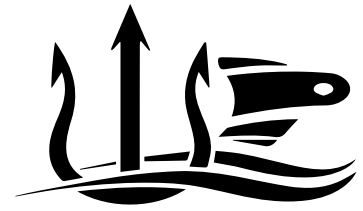
As a modular Type V platform-based solution, we are excited to partner with SubSea Craft to incorporate their state-of-the-art VICTA craft. UMCADS' distinct advantage, in this case, is its ability to integrate the vessel with minimal design changes to the craft silhouette and support the hull over the greatest possible length, mitigating stress on the vessel structure.



PARTNERSHIP - THE WHISKEY PROJECT GROUP

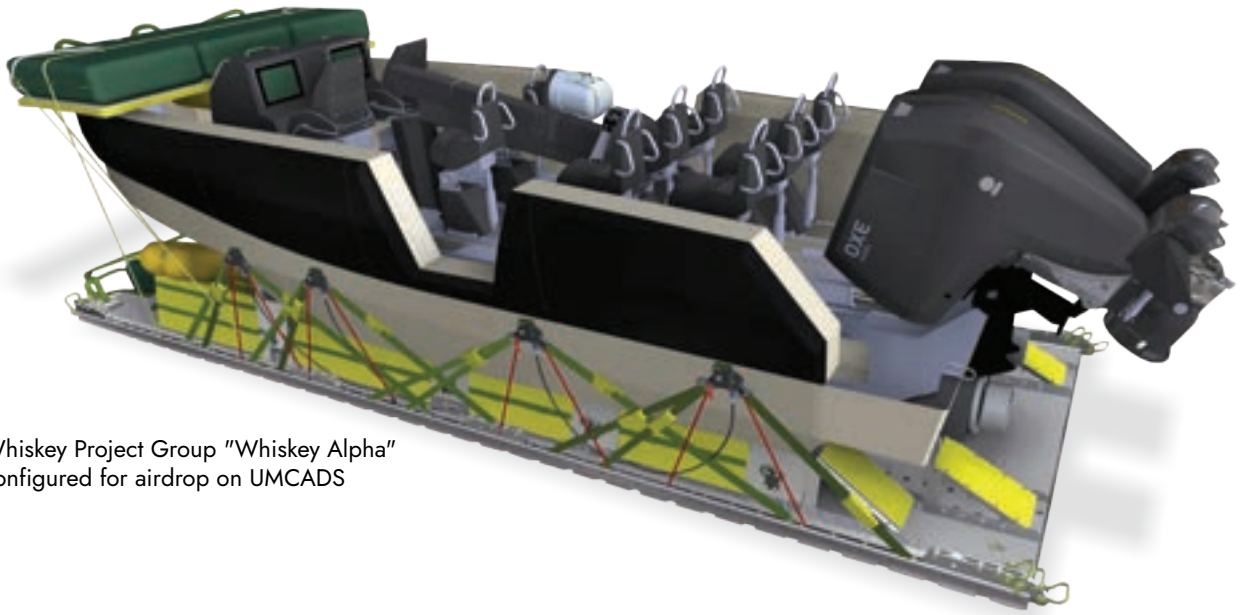


(Picture source: US DoD, originally published at www.navyrecognition.com)



THE WHISKEY PROJECT GROUP

Whiskey Project Group "Whiskey Bravo" multi-mission reconnaissance vessel, fitted with Capewell UMCADS Airdrop Interfaces



Whiskey Project Group "Whiskey Alpha" configured for airdrop on UMCADS

The benefits of being a derivative of the US DOD Program of Record Type V airdrop platform and its universal nature underpinned our partnership with The Whiskey Project Group. As illustrated, the first sets of UMCADS interfaces were shipped and integrated on the Whiskey Bravo boats delivered to the USMC for sea trials, allowing them to be used later for airdrop testing. The Whiskey Alpha boat was also assessed for multiple users within NATO and Allied forces.

MISSION ENABLING: THE WHISKEY PROJECT GROUP

Capewell congratulates the United States Marine Corps (USMC) and The Whiskey Project Group for achieving the sea trials user evaluation milestone with the Multi-Mission Reconnaissance Craft (MMRC).

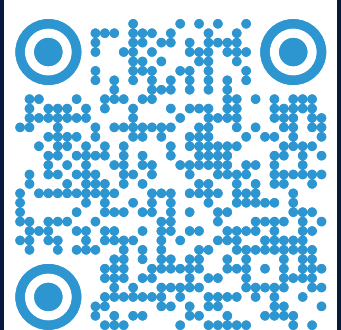
As detailed in the video link, the ability to conduct maritime operations across the spectrum of military operations (including surveillance and reconnaissance, offensive strike, and logistical resupply) with such craft is decisive in maximizing operational agility and assuring mission success. Furthermore, the ability to deploy such decisive effect-enabling assets by cargo aircraft and parachute is a force multiplier, enhancing reach, speed, surprise, and endurance compared with surface and mother-craft launched operations.

Readers will notice that the craft in the video have been delivered to the USMC fitted with the Capewell Universal Maritime Craft Aerial Delivery (#UMCADS) restraint tie-downs, allowing seamless integration with #UMCADS for flight assessments.

Capewell also congratulates The Whiskey Project Group on establishing their US facility in Edenton. It is truly an honor to continue partnering and exploring capability development priorities under the Trilateral security partnership between Australia, the United Kingdom, and the United States (AUKUS) agreements.



THE WHISKEY PROJECT GROUP



To Watch the Video
Scan the QR Code

ADAPTABILITY



Veteran-led and advised, Capewell understands firsthand the user requirement for adaptability. This key feature drove the Engineering Team to create a derivative of the US DOD Program of Record Type V airdrop platform. Our UK-based SME Team recently validated this benefit by converting a 24ft UMCADS system to a land-capable system configured with a Light Tactical Vehicle in just 6-man hours.

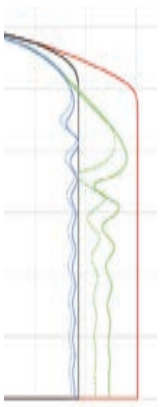
REDUCED CERTIFICATION & TRAINING BURDEN



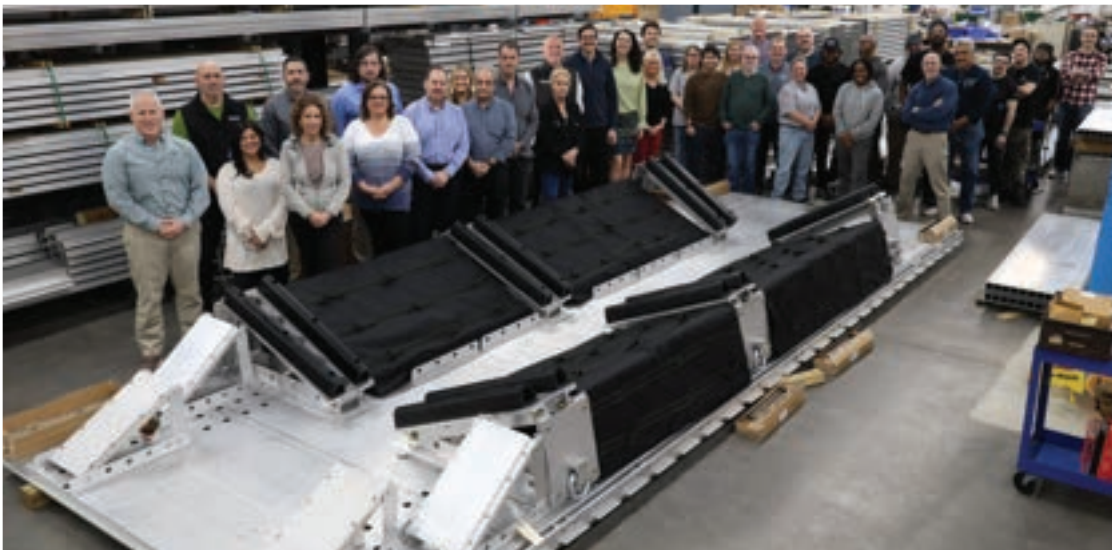
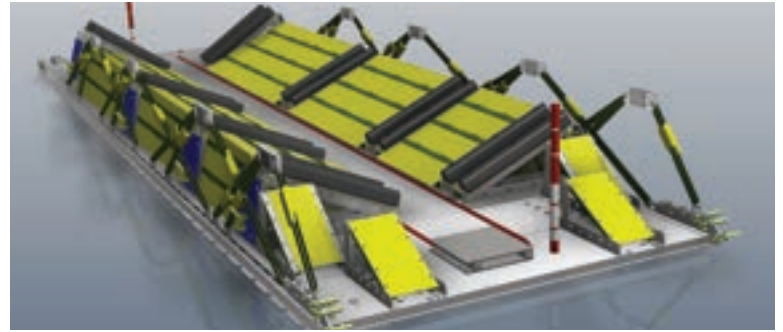
UMCADS is a derivative of the NATO standard and US DOD Program of Record (PoR) Type V aerial delivery system. Utilizing identical and proven aircraft interfaces, coupled with proven sub-system ancillaries, reduces the burden of certification. Moreover, by using common, proven, and certified components, the training burden is limited to understanding the restraint provision for any new payload.

TESTING & DIGITAL SIMULATION

In addition to the full system verification with a range of watercraft to prove our universality claim, our talented Subject Matter Experts and Engineering team have conducted comprehensive testing to support the design assurance. This includes digital simulations and various assessments to ensure performance, durability, and buoyancy validation.



NEXT GENERATION AERIAL DELIVERY SYSTEMS



Teamwork, Innovation, and Legacy of Military Support

For decades, we've been honored to manufacture and train products for both our military and civilian partners. Our strength lies not only in the quality of our products but in the deep sense of teamwork that drives us. From our engineers to our production teams, we work together to ensure every solution is built with precision, care, and commitment.

Introducing NGADS – A Collaborative Effort for the Future of Defense

We're proud to unveil the next-generation Air Defense System (NGADS), developed through a collaborative effort between our team and our boat manufacturer partners. By anticipating future needs and working hand-in-hand with those who serve, we're ensuring the tools of tomorrow are ready today.

A Commitment to Excellence and Support for the Warfighter

As we continue to innovate and support the warfighter, we remain united in our mission: delivering reliable, advanced solutions through teamwork and dedication.

Partner with Us. Together, We Support the Mission.

UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)



Actual UMCADS Platform

EXAMPLES OF UMCADS COMPATIBLE & CONFIGURED CRAFT



Whiskey Project Group – Alpha



Boomeranger – Air Drop RIB



SubSea Craft VICTA



Kraken – K3 Scout

UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)

UMCADS enables the warfighter to safely deploy their watercraft and equipment tactically at range, day or night. Provided as a system by Capewell inclusive of parachutes, ancillaries, and user training. With a global reputation for premium quality and the most reliable aerial delivery products, Capewell has developed an assured aerial delivery system that enables mission success.

FEATURES AND BENEFITS

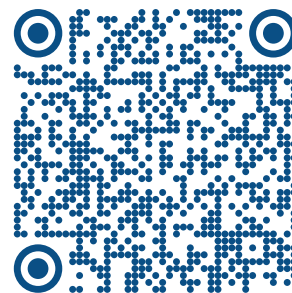
Unique patent pending features*.

Universally capable and adaptable (interoperable with land, maritime and air releasable payloads).

Universally compatible with C17, C130, A400M, KC390 and C2 aircraft.

Modular with commensurate payload clearances for in-service NATO Type V platform for watercraft up to 12.5m in length and 42,000lb [19,050 kg] AUM, subject to engineering analysis. Watercraft larger than 12.5m in length will be assessed on a case-by-case basis.

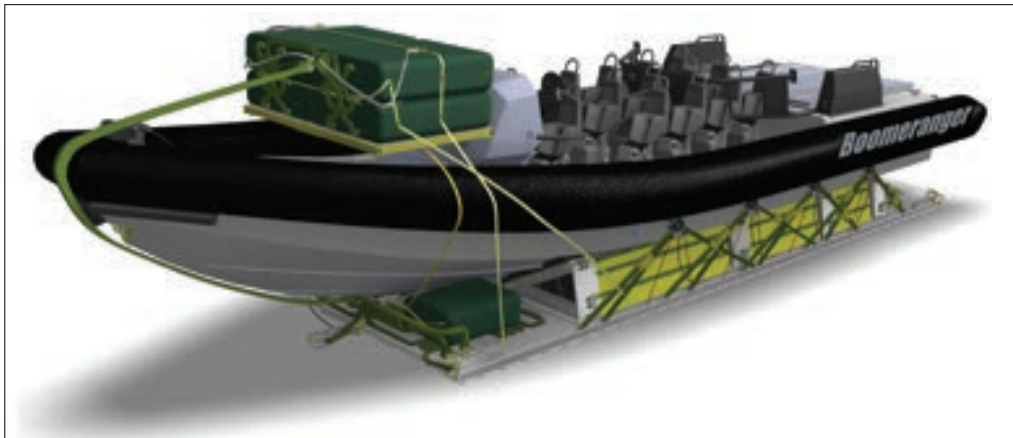
100% reusable and user operated, serviced, and maintained.



Scan The QR Code to watch our Next Generation Aerial Delivery video.

* The following patent applications are currently pending before the United States Patent and Trademark Office (USPTO), and are entitled, "Universal Maritime Craft Aerial Delivery System (UMCADS)," (Application No. 18/165,585 and Application No. PCT/US23/62125, respectively, both filed 7 February 2023) and "Mid-Air Release Module Assembly, (Application No. 18/393,115 and Application No. PCT/US23/85525, respectively, both filed December 21, 2023).

UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)



UMCADS CONFIGURED WITH BOOMERANGER AERIAL DELIVERY RHIB

UMCADS

UMCADS is just one system from the Capewell Next Generation Aerial Delivery System (NGADS) portfolio. The system enables the warfighter to safely deploy their watercraft and equipment tactically at range, day or night. Capewell provides a system inclusive of parachutes, ancillaries, and user training. With a global reputation for premium quality and the most reliable aerial delivery products, Capewell has developed an assured aerial delivery system that enables mission success.

BENEFITS

- Unique patent pending features*.
- Universally capable and adaptable (interoperable with land, maritime and air releasable payloads).
- Universally compatible with C17, C130, A400M, KC390 and C2 aircraft.
- Modular with commensurate payload clearances for in-service NATO Type V platform for watercraft up to 12.5m in length and 42,000lb [19,050 kg] AUM, subject to engineering analysis. Watercraft larger than 12.5m in length will be assessed on a case-by-case basis.
- 100% reusable and user operated, serviced, and maintained.

BOOMERANGER ADR TECHNICAL SPECIFICATIONS

- Material: Composite
- Length: Up to 12.5m
- Beam (Inflated): 3.5m
- Beam (Deflated for transport): 2.7m
- Max speed full load: 50kn
- Operating range: >250NM
- Fuel tank size: 1,150l
- Engines: Customer specified - Outboard / Waterjet / Sterndrive



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UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)



UMCADS CONFIGURED WITH “VICTA”, SUBSEA CRAFT’S DUAL DOMAIN CRAFT THAT DELIVERS OPERATORS, PAYLOAD AND EFFECTS INTO CONTESTED ENVIRONMENTS

UMCADS

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VICTA PLATFORM

Surface Endurance	250 mm
Surface Speed	40 kts
Transition Time	2 minutes
Subsurface Speed	6 kts
Subsurface Endurance	25 nm
Crew	2
Operators	6
More...	Fits within a 40ft ISO container and weighs under 9.5 t

VICTA KEY FEATURES

Digital Control System	Operation Centric Design	Discrete Maritime Operations
· Ease of use: Reduce the cognitive burden.	· Customizable User Interface.	· Force packaged: Independent or in company.
· Future proofed: Ensure technology superiority.	· Haptically enabled piloting.	· Over the Horizon (OTH) Asset.
· Control: Manned, Remote & Autonomous.	· Scientifically proven, performance preserving seats.	· Optimized for MUM-T operations.

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UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)



UMCADS CONFIGURED WITH KRAKEN K3 SCOUT UNMANNED SURFACE VESSEL

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 - up to 12.5m in length and 42,000lb [19,050 kg] AUM, subject to engineering analysis. Watercraft larger than 12.5m in length will be assessed on a case-by-case basis.
- 100% reusable and user operated, serviced, and maintained.

K3 SCOUT PLATFORM

Length Overall	8.4m
Beam Overall	1.9m
Draft Overall	0.8m
Max Displacement	2,500kg
Powertrain	Twin Diesel - Stern Drive
Max Speed	50kt
Range	650NM at 30kts
Endurance	30 days - mission dependent
Crew	Autonomous
Structure	Composite
Payload	600kg
Operating Depth	Surface

K3 SCOUT FEATURES

- Reduced signature design
- End-user configurable modular payload
- Autonomous and advanced remote operation
 - Auterion operating system
 - Open interfaces to autonomy
- Sensors
 - EO
 - Radar
 - Sonar (optional)
- User defined C5ISR fit (optional)
- Pilot Module (optional)
- K3 SCOUT Heavy, Electric and RHIB options

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UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM (UMCADS)



UMCADS CONFIGURED WITH ZODIAC MILPRO RHIB

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ZODIAC MILPRO SPECIFICATIONS

- Hull Fabrication Material: Aluminum or Composite
- Length Overall**: From 6 to 13 m
- Width Overall**: Custom Build
- Speed Capability**: Up to 70 knots
- Typical Lightship Weight**: Custom Build
- Maximum Displacement: Custom Build
- Maximum Number of Persons**: Custom Build
- Maximum Power Installation: outboard, Inboard, Propeller, Sterndrive, Surface drive Waterjet

(**) Vary with configuration



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UNIVERSAL MARITIME CRAFT AERIAL DELIVERY SYSTEM



Capewell
105 Nutmeg Road South
South Windsor, CT 06074
USA
860.610.0700

Capewell Europe LTD
Unit A3 Star West,
Westmead Industrial Estate
Swindon, Wiltshire, SN5 7SW, UK
(+44)01793 268070