

UVision USA and Axxeum Announces a Proven Ability to Launch its Hero 120 Loitering Munition System from An Airborne Helicopter

The capability has been successfully demonstrated, in collaboration with Axxeum Inc., during the U.S. Army Experimental Demonstration Gateway Event (EDGE) 23 event, under the Future Vertical Lift (FVL) Cross Functional Team (CFT), which is aimed at developmental and operational testing for key elements of the US Army Future Force.

June 12, 2023 UVision USA, the US subsidiary of UVision Air, a global leader in aerial loitering systems, in collaboration with Axxeum, a full-service aviation integration facility, has announced the successful launch of its Hero 120 loitering munition system from an airborne helicopter. The capability was demonstrated during the EDGE 23 event in May 2023 at Yuma Proving Ground in Yuma, Arizona.

The trial showcased the system's ability to complete a sensor-to-shooter cycle by launching the Hero 120 from a Bell 412EP helicopter to strike a ground target. The Hero 120 demonstrated safe separation, successfully launching from the helicopter while it was airborne. Several parameters were tested and proven successful during the trial, including launching from a safe altitude without endangering the helicopter, transferring tactical control between the on-board operator and the ground operator six times, pursuing the munition to a forward location, controlling the system within a 30-kilometer range from the helicopter, and effectively attacking a ground target over a 50-kilometer flight.

The successful launch was made possible through the cooperation between UVision USA and Axxeum. Axxeum designed a fully mechanical docking system for the single canister launcher, conducted all structural and load analysis, established safe flight envelopes, and operated Axxeum's Bell 412 helicopter. This accurate modeling and integration allowing for electrically-triggered launches without the need for integration with the helicopter's electrical systems or flight controls. This revolutionary solution enables safe launch and installation in any helicopter or aerial platform.

Major General (Ret.) Avi Mizrachi , CEO of UVisionAir Ltd, the parent company of UVision USA , expressed pride in the successful demonstration of the Hero 120's advanced capabilities. The company conducted extensive mechanical and aerodynamic analyses over five months to ensure the system's performance and its impact on the helicopter were thoroughly tested. UVision works closely with various defense forces in the U.S., and this successful demonstration reaffirms confidence in the company's advanced solutions.

Oleg Sirbu, CEO of Axxeum, echoed the sentiments of Mr. Truxel. Sirbu was on board the Bell 412 during the first ever aerial launch of the Hero 120. Following the trial, he said, "I am excited that Axxeum could play a key role in this collaborative program with UVision USA. The combined efforts brought forward a capability in five months that not many other companies could have completed. Axxeum's experience in supporting major OEMs in rapid prototyping programs showcases our future together with UVision USA. I look forward to the ongoing success of the UVision platform and working with the US Government customer in future demonstrations for added capability of this tremendous system."

The Hero 120 Loitering Munition System is a mid-range, anti-tank system designed to meet the demands of the modern battlefield. It employs high-precision strikes against anti-armor, anti-material, and anti-personnel targets, including tanks, vehicles, and soft targets in urban areas.

With minimal collateral damage and a range of multi-purpose warheads, the Hero 120 provides operational users with an effective engagement solution.

About UVision USA Ltd.

UVision USA delivers combat-proven Unmanned Aerial Loitering Munition (ALM) Systems providing militaries around the globe with precise and effective operational attack capabilities. Its innovative, cost-effective 'HERO' series of Aerial Loitering Munitions are based on cuttingedge technology and extensive field experience. The 'HERO' Systems provide high precision strike capability. The unique aerodynamic platform is designed for extreme flight and attack profiles for the most precise strike in their class.

About Axxeum Inc.

Axxeum is a Huntsville, Alabama-based company with proven past performance in aircraft fielding, modificaitons, aviation training, and logistics support for government and commercial customers around the world. Axxeum's contractor logistics suppoort, procurement activities, and aircraft integration activities are founded on close working relationships with OEMs, suppliers, and certification authorities. Axxeum is ISO 9001 certified and maintains AS 9100/9110/9120 in addition to FAA Part 135 and a Part 145 Repair Station.

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