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AV Showcases JUMP 20's Advanced Maritime Capabilities at NATO REPMUS Demonstration

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ARLINGTON, Va.--(BUSINESS WIRE)--Oct. 15, 2024-- AeroVironment (AV) successfully showcased the maritime prowess of its combat-proven JUMP® 20 uncrewed aircraft system (UAS) during the NATO REPMUS 2024 (Robotic Experimentation and Prototyping using Maritime Uncrewed Systems) exercise off the coast of Portugal. This dynamic demonstration reinforced JUMP 20's advanced Intelligence, Surveillance, and Reconnaissance (ISR) capabilities, autonomously launching and landing on a moving vessel in rough seas, with conditions reaching sea state level 5 and winds over 20 kts.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20241015130500/en/>

 JUMP 20 UAS finishing a maritime mission aboard a NATO vessel. (Photo: AeroVironment)

The JUMP 20 also highlighted its multi-sensor mission versatility, seamlessly executing wide-area search and detection tasks. Its advanced Electro Optical and Mid-Wave Infrared (MWIR) turret automatically slewed to investigate identified targets without repositioning the platform, ensuring constant operational focus. Full-motion video was captured and later analyzed using AV's cutting-edge computer vision technology, SPOTR-Edge™, enabling perception analysis using its robust library of object classifications, including persons, vehicles, and maritime vessels. Additionally, video from this event will further enhance the solution, making the JUMP 20 even more capable for future deployments by refining its object recognition and situational response capabilities.

REPMUS is an annual exercise uniting NATO allies, European Union entities, industry leaders, and academic partners to push the boundaries of uncrewed maritime systems in real-world scenarios.

JUMP 20 UAS finishing a maritime mission aboard a NATO vessel. (Photo: AeroVironment)

"We were honored to participate in this year's REPMUS exercise, where we demonstrated JUMP 20's maritime capabilities in action," said Shane Hastings, AV's vice president and general manager of Medium UAS. "The JUMP 20's autonomous precision landing in challenging sea states – without the need for launch or recovery equipment – showcases the system's unmatched flexibility. By enabling fully hands-free operations, we maximize operational safety and efficiency from takeoff to landing."

AV's successful demonstration at REPMUS 2024 reaffirms its commitment to pushing the boundaries of UAS technology for naval warfare. The JUMP 20's proven ability to execute complex shipboard operations with minimal human intervention sets a new standard for maritime UAS operations, driving operational superiority at sea.

ABOUT AEROVIRONMENT

AeroVironment (NASDAQ: AVAV) is a global leader in intelligent multi-domain robotic systems, uncrewed aircraft and ground systems, sensors, software analytics and connectivity. Headquartered in Arlington, Virginia, AeroVironment delivers actionable intelligence so our customers can proceed with certainty. For more information, visit www.avinc.com.

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Certain statements in this press release may constitute "forward-looking statements" as that term is defined in the Private Securities Litigation Reform Act of 1995. These statements are made on the basis of current expectations, forecasts and assumptions that involve risks and uncertainties, including, but not limited to, economic, competitive, governmental and technological factors outside of our control, that may cause our business, strategy or actual results to differ materially from those expressed or implied. Factors that could cause actual results to differ materially from the forward-looking statements include, but are not limited to, our ability to perform under existing contracts and obtain additional contracts; changes in the regulatory environment; the activities of competitors; failure of the markets in which we operate to grow; failure to expand into new markets; failure to develop new products or integrate new technology with current products; and general economic and business conditions in the United States and elsewhere in the world. For a further list and description of such risks and uncertainties, see the reports we file with the Securities and Exchange Commission. We do not intend, and undertake no obligation, to update any forward-looking statements, whether as a result of new information, future events or otherwise.

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