



## AeroVironment Announces Expansion of AV\_Halo™ Unified Software Platform with CORTEX and MENTOR

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*AI-powered intelligence fusion and warfighter readiness will deliver the next evolution in synchronized autonomy, multi-domain coordination, and mission dominance.*

ARLINGTON, Va.--(BUSINESS WIRE)--Dec. 2, 2025-- AeroVironment, Inc. ("AV") (NASDAQ: AVAV), a global defense technology leader delivering software-enabled disruptive autonomous systems, today announced the next phase of its AV\_Halo™ unified mission software platform with the release of AV\_Halo CORTEX, a next-generation intelligence fusion and analysis environment, and AV\_Halo MENTOR, a warfighter readiness suite that spans immersive virtual and/or augmented reality (VR/AR) weapons training and mission rehearsal.

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AV unveils AV\_Halo CORTEX and MENTOR, fusing artificial intelligence and immersive training to give warfighters faster understanding, smarter preparation, and decisive advantage.

[In September, AV launched AV\\_Halo](#), a hardware-agnostic platform that unifies multi-domain command and control (C2), AI-enhanced intelligence, synthetic training, and autonomous targeting into a single open-standards ecosystem. The addition of CORTEX and MENTOR advances that ecosystem, bringing deeper intelligence fusion, enhanced situational

awareness, and more sophisticated operator preparedness into the same unified architecture.

"In today's rapidly evolving operational environment, the advantage goes to those who can understand faster and prepare smarter," said Wahid Nawabi, AV Chairman, President, and Chief Executive Officer. "CORTEX and MENTOR extend AV\_Halo's role as the connective tissue across missions—fusing global information, AI-powered analytics, and immersive training into a single ecosystem that helps warfighters outpace threats, reduce risk, and make better decisions at mission speed."

The addition of CORTEX and MENTOR marks the next step in AV\_Halo's roadmap, introducing two mission-critical capability sets that advance the platform's ability to deliver faster understanding, smarter preparation, and decisive advantage across every domain - air, land, sea, space, and cyber.

- **AV\_Halo MENTOR: Warfighter Readiness Suite with Immersive Training and Mission Preparation Simulation** -- AV\_Halo MENTOR, with its flagship Virtual Systems Trainer (VST) technology, offers operators immersive VR/AR weapons training system to build proficiency across Stinger, Javelin, Igla, and other mission-critical weapons systems. It delivers a full 360-degree virtual environment generated from real-world electro-optical and Digital Terrain Elevation Data (DTED) within a simulation framework supporting multiple missions for both individual and team-based training. Integrated with AV's simulation architecture, the system enables instructors to create custom scenarios, rehearse complex engagements, and conduct detailed after-action reviews that accelerate learning and reinforce readiness. Available as a fixed installation or a portable, rapidly deployable kit, MENTOR allows units to train at the same high standards anywhere, from home stations to forward environments.
- **AV\_Halo CORTEX: AI-Driven Intelligence Fusion, OSINT Integration & Autonomous Analysis** -- AV\_Halo CORTEX leverages AV's mission-ready Scraawl technology, an AI-driven intelligence environment that fuses open source intelligence (OSINT), multi-source data, autonomous analysis, and real-time information into one operational picture. It collects and searches millions of global data points, including publicly available information (PAI) via news content, social media posts, shared imagery and video, and an array of sensor feeds. Integrated analytics across text, imagery, video, geospatial layers, and network relationships accelerate insight, while GeoPoint, AV's proprietary geolocation engine, delivers metadata-independent geolocation using only visual cues. CORTEX also provides PAI-driven drone-threat detection for persistent awareness. With GPT-powered Insight Agents, analysts can query datasets conversationally, producing rapidly sourced intelligence that strengthens

mission decisions. These intelligence markers can be shared seamlessly across AV\_Halo and other third-party platforms for advanced situational awareness and action queuing.

"CORTEX can detect and characterize emerging drone patterns around critical infrastructure in minutes, a task that once took analysts hours. MENTOR enables air-defense teams to immediately rehearse engagements against those same threats inside a fully immersive environment," said Scott Bowman, AV Chief Technology Officer & Vice President of Global Engineering. "Together, these products point to the future of mission software—tightly linked, increasingly autonomous intelligence and training that anticipate threats before they emerge."

Looking ahead, AV will continue expanding AV\_Halo with autonomous mission agents, advanced simulation environments, enhanced airspace deconfliction tools, and additional intelligence and C2 services, delivering synchronized autonomy, cross-domain coordination, and mission adaptability across tomorrow's multi-domain battlespace.

AV\_Halo follows the principles of the Modular Open Systems Approach (MOSA), a design strategy mandated by the U.S. Department of War (DoW) to improve interoperability, agility, and sustainability in defense systems. As missions evolve, AV\_Halo scales effortlessly, offering reliable solutions that adapt to emerging threats and operational demands so that operators can deploy exactly what is needed for any mission while minimizing cost. It seamlessly integrates across allied military and commercial systems, setting a new standard for interoperability in complex, multi-domain environments.

#### **About AV**

AV (NASDAQ: AVAV) is a defense technology leader delivering integrated capabilities across air, land, sea, space, and cyber. The Company develops and deploys autonomous systems, loitering munitions, counter-UAS technologies, space-based platforms, directed energy systems, and cyber and electronic warfare capabilities—built to meet the mission needs of today's warfighter and tomorrow's conflicts. At the core of these technologies lies AV\_Halo, a modular, mission-ready suite of AI-powered software tools that empowers warfighters and enables full-battlefield dominance: detect, decide, deliver. With a national manufacturing footprint and a deep innovation pipeline, AV delivers proven systems and future-defining capabilities at speed, scale, and operational relevance. For more information, visit [www.avinc.com](http://www.avinc.com).

#### **Safe Harbor Statement**

Certain statements in this press release may constitute "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995. These statements are based on current expectations, forecasts, and assumptions that involve risks and uncertainties, which could cause actual results to differ materially. Factors that may cause such differences include, but are not limited to, our ability to perform under existing contracts and obtain new ones; regulatory changes; competitor activities; market growth and market adoption of new products; product development challenges; and general economic conditions. For a more detailed discussion of these risks, please refer to AeroVironment's filings with the Securities and Exchange Commission. We undertake no obligation to update forward-looking statements as a result of new information or future events.

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