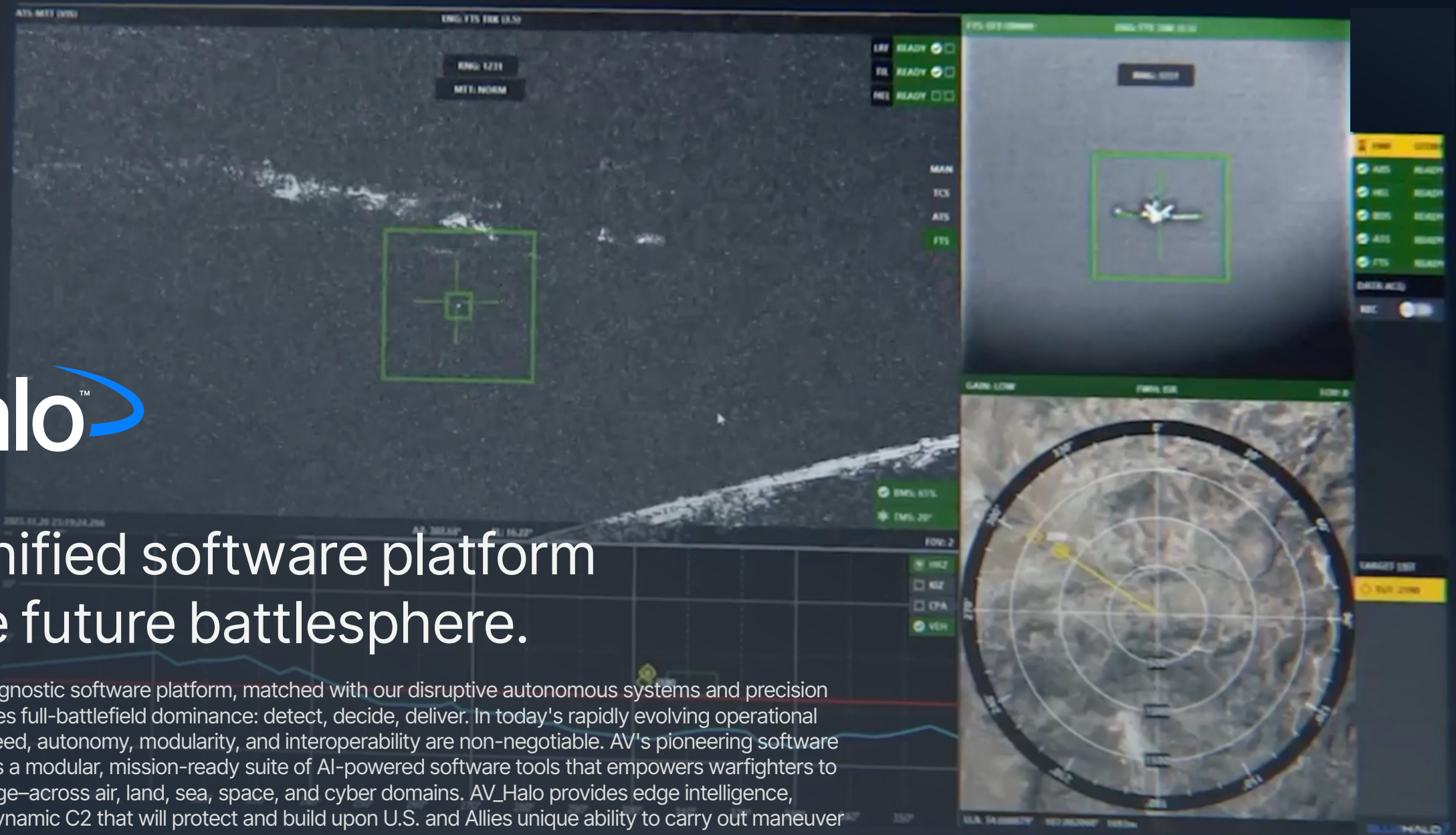




# The unified software platform for the future battlesphere.

AV's hardware-agnostic software platform, matched with our disruptive autonomous systems and precision munitions, enables full-battlefield dominance: detect, decide, deliver. In today's rapidly evolving operational environment, speed, autonomy, modularity, and interoperability are non-negotiable. AV's pioneering software stack, AV\_Halo, is a modular, mission-ready suite of AI-powered software tools that empowers warfighters to dominate the edge—across air, land, sea, space, and cyber domains. AV\_Halo provides edge intelligence, autonomy and dynamic C2 that will protect and build upon U.S. and Allies unique ability to carry out maneuver warfare in the age of drones.



# Delivering the Customer's Needs

## Own the Mission. Command the Future.

Integrated with AV's disruptive autonomous systems and precision munitions, AV\_Halo delivers full-battlefield dominance - Detect, Decide, Deliver capability sets - with speed, precision, and unstoppable operational advantage.

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### DETECT

Fuses multi-domain sensor data into a single AI-driven view. AV\_Halo identifies and prioritizes threats instantly, even in contested or denied environments, giving operators unmatched situational awareness and anticipatory dominance.

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### DECIDE

Transforms real-time data into rapid, informed action. AV\_Halo accelerates threat prioritization, risk assessment and mission planning, empowering commanders to outthink and outpace evolving threats.

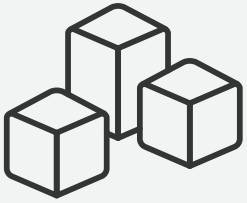
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### DELIVER

Coordinates precise effects across manned, unmanned, and autonomous systems. AV\_Halo executes seamlessly in contested environments, ensuring fast, synchronized response and mission success in the challenging mission spaces.

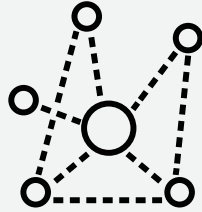
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# A Truly Integrated Software Approach



## Modular Architecture

Deploy what you need, scale when you're ready.



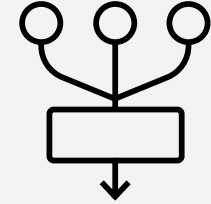
## Open and Interoperable

Control AV and third-party systems alike.



## Built for Edge Dominance

Works in degraded, contested, and denied environments.



## Unified Warfighting Ecosystem

From command to kinetic effect, one stack.

# AV\_Halo™ COMMAND

## Battle Management with C2 for Uncrewed Vehicles

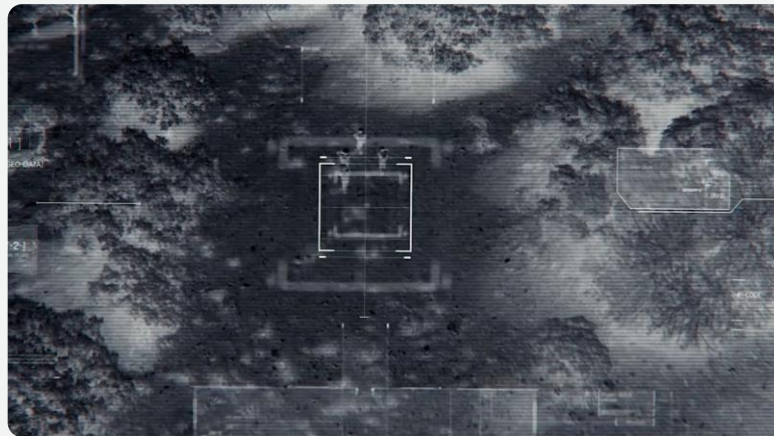
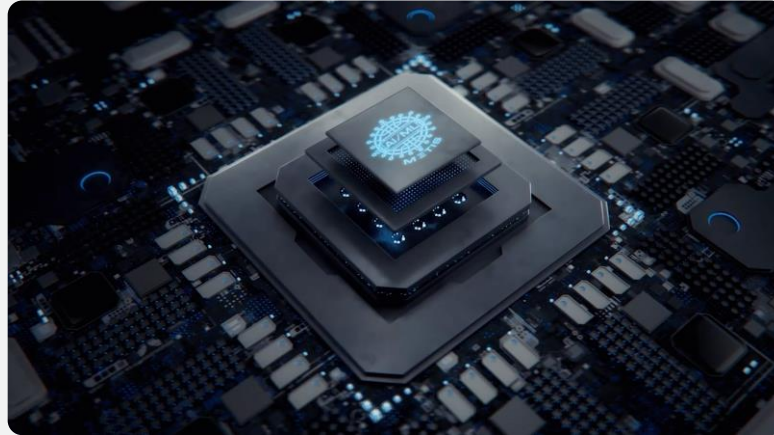
Situational awareness drives decision-making with real-time, AI-enhanced sensor feeds, telemetry, and environmental data, fused into a secure, mission-tailored operating picture. It enables seamless theater-wide asset coordination—fixed, mobile, or distributed. COMMAND fuses AV's KINESIS™ universal tactical control architecture with the VigilantHalo™ mission control user interface and a robust sensor fusion engine to deliver layered C2 for both offensive and defensive missions. COMMAND integrates with other services within the AV\_Halo software platform, as well as third-party mission systems.



# AV\_Halo™ VISION

## Onboard Computer Vision for Autonomous Targeting

VISION delivers real-time visual processing and Intelligence, Surveillance, and Reconnaissance (ISR) capabilities directly on-platform—even in GPS-denied or comms-degraded environments. Enhanced with fused multi-target tracking from AV\_Halo COMMAND's C2 core, it provides persistent, autonomous targeting. VISION integrates AV's SPOTR-Edge™ computer vision software with our WISARD™ AI/ML processing suite.



# AV\_Halo™ PINPOINT

## Directed Energy Targeting, Pointing and Tracking

PINPOINT delivers precise target acquisition and tracking for offensive radio frequency (RF) and laser payloads, enabling both new and legacy platforms to operate independently across ISR, loitering, and strike profiles. When combined with AV\_Halo COMMAND, it provides responsive autonomy powered by real-time threat perception. PINPOINT is the targeting core of AV's LOCUST™ Laser Weapon System and Titan™ C-UAS family of systems.

