



THE NGA MAVEN PROGRAM

Maintaining Decision Advantage on the Battlefield

The National Geospatial-Intelligence Agency (NGA) Maven Program has one simple goal: **maintain decision advantage on the battlefield to empower and protect the U.S. joint warfighter.**

By integrating frontier AI capabilities across NGA's mission environments, onboarding diverse commercial and academic partners into the Defense Industrial Base (DIB), and adhering to governance- and standards-driven frameworks, ECS has helped advance the NGA Maven Program's vision to exemplify the power of AI in national security.

Formerly known as "Project Maven" — under the Department of Defense (DoD) Algorithmic Warfare Cross-Functional Team (AWCFT), a part of the Office of the Under Secretary of Defense for Intelligence & Security (OUSD(I&S)) — Maven is the DoD's flagship GEOINT AI program.



MISSION-CENTRIC, RESPONSIBLE AI AT SCALE

As the longstanding performant prime AI Interoperability Integrator (AI3) on the NGA Maven Program, ECS helps deliver transformative innovation that empowers and protects the U.S. joint warfighter.



AI Interoperability at Scale: ECS integrates AI across NGA's GEOINT mission environments, enabling seamless data sharing, cross-agency collaboration, and real-time decision advantage.



Advanced AI Orchestration: ECS enables real-time inference, data fusion, and edge computing, equipping warfighters with actionable intelligence in contested environments.



Distributed Innovation Model: Through its AI3 framework, ECS brings together commercial innovators and academic partners within the DIB, fostering "competitive collaboration" to drive continuous advancement.



Responsible AI (RAI): ECS aligns AI development with the DoD's ethical and policy frameworks, including GEOINT Responsible AI Training (GREAT) and federal directives, to ensure trustworthy, transparent, and bias-free AI.

FRONTIER AI CAPABILITIES AND RESOURCES

How do you maintain decision advantage in a rapidly evolving AI landscape?

- **Joint Warfighter Toolbox:** A lightweight, web-based solution that can ingest data, invoke AI/ML models to produce detections, and provide a multitude of export options, enabling integration into existing workflows. ECS can also deliver tailored government-off-the-shelf (GOTS) solutions.
- **Computer Vision (CV) and GEOINT:** Enhancing imagery analysis (EO/SAR, FMV/HMI) for target detection and joint targeting missions.
- **Maven Data Center:** Built to deliver scalable AI readiness, the Maven Data Center provides enterprise-level compute power, at one point surpassing AWS GovCloud in GPU capacity.

MAVEN: SHAPING THE FUTURE OF DEFENSE AI

Edge AI for Tactical Advantage

Bringing AI processing closer to the battlefield for real-time decision-making.

Multimodal AI

Integrating imagery, radar, thermal, and text-based data to produce richer, more actionable intelligence.

Scalable, Open-Architecture AI

Enabling objective, flexible AI adoption while maintaining interoperability and avoiding vendor-lock.

From the boardroom to the battlefield, ECS empowers your mission, amplifies your impact, and drives lasting results with frontier technology solutions. Our highly skilled teams bring the best of innovation to urgent mission needs across the U.S. public sector, defense and intel, and commercial industries, with a focus on efficiency and impact. ECS maintains partnerships with leading AI, cloud, and cybersecurity technology providers and holds specialized certifications in their technologies.