



EDGE²: The Next Generation Digital Environment

Enabling real-time intelligence and MBSE-driven engineering.

Amentum's Enterprise, Digital, Growth, and Execution Environment (EDGE²) is the mission-ready digital backbone powering cutting-edge platforms such as Missile Defense System—Next and Golden Dome. Designed for speed, adaptability, and resilience, EDGE² accelerates engineering, sharpens decision-making, and enables operational superiority against emerging threats.

Built for Resilience, Performance, and Security

At its core, EDGE² offers an advanced, secure, and adaptable infrastructure purpose-built for evolving defense missions:



Data Integrity — Centralized and federated repositories ensure consistent, secure, and dependable data.



High-Fidelity Simulations — Scalable, high-performance computing delivers rapid predictive simulations and in-depth mission analysis.



Built-In Security — High-bandwidth, multi-classification networks protect sensitive operations and enable secure data sharing for collaborative missions.

We harness digital engineering and AI to help our customers move faster, decide smarter, and stay ahead of emerging threats.

Why Choose EDGE²?

EDGE² delivers real-world results today, empowering teams and supporting advanced defense initiatives with:



Unified & Collaborative Operations

A single, authoritative environment that eliminates silos, streamlines communication, synchronizes workflows, and supports every stage of the mission lifecycle—from concept to sustainment.



Faster, Smarter Engineering

Real-time insights into architectures, interfaces, and dependencies that drive faster, higher-quality design iterations with minimal rework.



Proven Mission Effectiveness

Advanced capabilities that help organizations maintain an operational edge, outpace evolving threats, and deliver results faster than legacy systems.

Mission-Ready Digital Capabilities

EDGE² offers a secure, scalable ecosystem designed to tackle the most critical challenges in multi-domain defense operations:

Model-Based Systems Engineering (MBSE) — Streamlines the entire engineering process from initial design through long-term sustainment.

High-Performance Computing — Supports mission-level simulations, predictive analytics, and real-time situational awareness with unmatched speed and accuracy.

End-to-End Digital Thread — Maintains a continuous, actionable, and reliable flow of data throughout the mission lifecycle.

Secure Enterprise Scale — Built for secure, multi-domain operations across all classification levels.

Proven Results. Mission-Ready Impact

EDGE² has demonstrated its ability to move beyond theoretical concepts, delivering real and measurable operational outcomes:

Accelerated Acquisition — Successfully reduced the design and acquisition timeline of a major missile defense system by an entire year, providing critical capabilities ahead of schedule.

Streamlined Lifecycle Management — Enabled unified workflows and cross-functional collaboration, eliminating costly delays, mitigating risks, and ensuring mission success from concept to sustainment.

Operational Advantage — Delivered actionable, real-time insights into mission-critical data, transforming static frameworks into effective, on-the-ground solutions that address immediate mission demands.

Future-Focused Flexibility

EDGE² is designed with adaptability in mind, utilizing open standards and APIs for seamless compatibility with an array of tools, platforms, and environments. The continuous, friction-free digital thread reduces operational costs, shortens development timelines, and mitigates risks—all while ensuring scalability to meet future mission demands and avoiding vendor lock-in.

Contact Us

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