

ACCELERATE CAPABILITY DELIVERY: DIGITAL ENGINEERING ECOSYSTEMS (DEES)

DIGITAL ENGINEERING ECOSYSTEMS

Our tailorable, secure, and mission-ready ecosystem architecture is engineered for continuous compliance and integrates digital thread to accelerate decision-making and capability delivery.

Our Aether team accelerates mission capability delivery through Digital Engineering Ecosystems (DEEs) that connect authoritative system models, requirements, and configuration data through an end-to-end digital thread. This approach:

- Accelerates data-driven decision-making
- Accelerates capability development and delivery
- Links operational data, analytical models, and test workflows to support the Research, Development, Test, and Evaluation (RDT&E) lifecycle
- Highly tailorable and resilient architecture
- Multi-level security
- Secure hybrid-cloud implementation
- Rooted in DevSecOps strategies
- Reduced sustainment risk through integrated, governed digital workflows
- Proven DEE blueprint

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Innovate. Develop. Deliver.

AetherAero.com Hampton Roads, VA | Huntsville, AL | Pax River, MD | Nashua, NH | San Diego, CA



Our approach is anchored in enterprise governance, infrastructure and integration, engineering and development, acquisition operations, and collaboration and decision support.

Within a trusted environment that enables collaborative, real-time insight, we integrate digital twins and AI/ML-enabled analytics to dictate an advanced operational workflow. This enables faster deployment, continuous compliance, and dependable operations across cloud and hybrid environments where authorization, reliability, and scale are critical.

- **Ecosystem Design & Build:** Tailorable, mission-ready architecture for integrating tools, data, and workflows into a coherent, scalable digital engineering environment.
- **Secure DevOps & Platform Engineering:** Engineered for continuous compliance, resilient delivery, and operationally-ready execution.
- **Multi-Level Security Ecosystem Deployments:** Secure, hybrid and cloud-native ecosystems that enable trusted cross-domain data sharing while enforcing mission-aligned access, isolation, and governance. Role-based access controls aligned to user personas and data classifications.
- **Digital Thread Integration:** Governed, end-to-end traceability from requirements to models, CAD, and simulation across the product lifecycle.

Recognized as a proven partner with DoW innovators and major primes.

References available on request.

Delivered Solutions:

- We have supported exceptional execution on programs such as SubSpace, ABMS, and NGAS, demonstrating our ability to integrate digital engineering tools, manage digital workflows, and optimize the UX in complex environments.
- With extensive DAF IT system and cloud experience, our team was one of the first to successfully deliver multi-classification level flexibility within our DEE blueprint.
- Our NGAS deliverables included a comprehensive Digital Strategy Guide that outlined a roadmap for the program's future digital transformation, ensuring they were positioned for long-term success.
- By centralizing services for DAF CLOUDworks, we eliminated redundancy, consolidated licenses, and reduced staffing overhead.

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