

**Your partners in innovation,
working together to transform
the future of technology.**

ABOUT US

Skymantics is a U.S. small business dedicated to modernizing the nation's most critical government systems. We are a trusted partner to federal agencies, delivering robust systems engineering, enterprise architecture, and data-driven solutions that enhance national security and public service. Our agile, multidisciplinary teams leverage deep domain expertise to solve complex challenges in air traffic management and federal enterprise systems. We bridge the gap between legacy infrastructure and next-generation technology, ensuring our government partners can meet the demands of a rapidly evolving digital landscape.

COMPANY DATA

Small Business Administration
(SBA) 8(a) certified business
UEI: T9PWJAU6RXK5
CAGE: 7CAH9
eFAST MOA: DTFAWA17A-00059
GSA S3 Contract: 47QTCB22D0349
NAICS: 541990, 541330, 541370,
541511, 541512, 541513, 541519,
541611, 541618, 541690, 541715,
611420, 511430, 611710, 561210,
561410, 561499

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CORE COMPETENCIES

- ✓ AI-Powered data analytics and Geospatial intelligence
- ✓ Enterprise test automation and Synthetic data generation
- ✓ Data governance, security and provenance
- ✓ Agile and DevSecOps for Mission-critical software
- ✓ Secure Cloud architecture and Modernization
- ✓ Systems engineering for Digital modernization
- ✓ Data modeling and Exchange standards

DIFFERENTIATORS

Proven Prime Contractor Performance: Successfully managing and delivering large-scale, enterprise-wide AI-driven software development programs for the IRS, ensuring projects are completed on time and within budget.

Pioneering Vision for New Government Services: We are actively developing foundational concepts, such as the National Airspace System (NAS) Flight Object and Flow Object, and next-generation enterprise testing while protecting citizen data.

Leveraging AI for Transformative Solutions: Utilizing Artificial Intelligence and Machine Learning is not just a service; it is a core component of our solutions that automate complex processes, generate high-fidelity synthetic data, and unlock deeper analytical insights.

Commercial Solutions from Federal Innovation: Translating federally-funded, mission-proven technologies into robust commercial products for data governance, scenario planning, and transport optimization.

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PAST PERFORMANCES

- **Federal Aviation Administration (FAA):** Key subcontractor on SE2025, providing systems engineering and concept development. We are maturing the Flight Object concept to create a unified picture of all flights, developing the new Flow Object and FLXM to standardize traffic flow data, and implement critical data governance and security controls (SUI).
- **Internal Revenue Service (IRS):** Prime contractor for the Enterprise Systems Testing (EST) Simulation Engine. Delivered a groundbreaking AI/ML platform to generate reliable synthetic tax data for testing ~200 applications, protecting taxpayer privacy while ensuring system reliability.
- **Embry-Riddle Aeronautical University:** Support FAA NextGen R&D programs (Mini Global, UAS TBO, 4DT, IIH&V) in the Florida Test Bed
- **NASA Glenn Research Center:** UAS integration in the NAS, SMART NAS airport sharing architecture, ATM-X in Urban Air Mobility, and Increased Diverse Operations
Dept of Energy: Sensor-based computing for the Internet of Things
- **Open Geospatial Consortium (OGC):** OGC Disasters Pilot 2021 and 2023, Open Routing API Pilot, Indoor Mapping and Navigation Pilot, Machine Learning Thread for Testbeds 15 and 16, Aviation Thread Architect for Testbeds 12, 13, 14, 16, 17, and 18

Skymantics engineers and deploy cutting-edge solutions that modernize critical infrastructure and services using Applied AI and synthetic data to enable predictive insights for our federal and commercial partners