



Overview

For nearly 50 years, SSAI has been a trusted partner in delivering advanced science, engineering, and IT solutions that can directly support warfighters on the front lines. Our expertise in AI/ML modeling and cyber operations sharpens battlefield awareness and speeds critical decision-making in high-pressure environments. Drawing from experience supporting over 160 NASA and NOAA missions, we bring unmatched skills in remote sensing, intelligence gathering, and data integration to provide mission-critical tools that enhance operational effectiveness.

Corporate Information

SSAI UEI: PJ2SP76D3HJ3 **NAICS Codes:** 541715, 541330, 541511, 541512, 541513, 541519, 541611, 541620, 541690, 541990 **IDIQ Vehicles:** MDA SHIELD
Cage Code: 5S009

Certifications:

- ISO 9001:2015 Certified
- Top-Secret Facility Security Clearance
- CMMI Level 3 Certification
- Women Owned Small Business Certified
- CMMC Self-Assessed

Awards:

- Top Work Places Washington Post
- Culture Excellence Awards:
 - Work-Life Flexibility
 - Compensation and Benefits
- Technology Top Workplace
- Robert H. Goddard Awards



Capabilities

SSAI's agility and half-century of technical excellence make us the ideal small-business partner to help the DoD meet its 2025 strategic aims and beyond. As acquisition shifts toward speed, innovation, and small-business engagement, SSAI stands ready with mission-focused solutions across all domains.

Our solutions include strong differentiators such as the IntelliCore™ AI/ML and CYBERSAFE Frameworks. Our IntelliCore™ Framework ensures every project is evaluated as a core component for the integration of AI/ML. This ensures modern efficient solutions, optimal prompts, data integrity, verification, validation, and human engagement. SSAI's CYBERSAFE Framework is a mission-aligned cybersecurity philosophy that integrates governance, technology, people, and process to protect critical systems and data across government infrastructures.

Domains

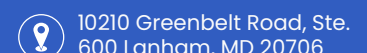
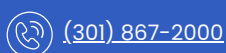
Cybersecurity & Zero Trust

Implement enterprise Zero Trust with AI-driven monitoring and automated response to secure C4ISR and weapon systems.

AI & Data Analytics

Deploy predictive maintenance, real-time sensor fusion, and decision-support AI for combined arms operations.

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Autonomous Systems

Develop semi-autonomous capabilities and remote-operation tools for ground and aerial platforms, leveraging AI-assisted navigation and sensor fusion to improve mission flexibility and lighten operator workload. Prototype “assist” features (e.g., automated route planning, obstacle alerts) that move us steadily toward greater autonomy without over-promising full swarm operations.

Space & PNT

Provide space weather forecasting, satellite data fusion, and resilient PNT services to protect GPS and SATCOM.

Geospatial Intelligence & ISR

Deliver high-resolution multispectral, lidar, and SAR analytics to generate actionable terrain and target intelligence. Fuse satellite and aerial sensor feeds into 3D geospatial models for mission planning, targeting, and battle damage assessment.

Logistics & Sustainment

Build 5G-enabled, AI-driven supply chains and climate-informed logistical planning tools to sustain forces in contested environments.

Climate & Environmental Resilience

Use climate modeling and OSSEs to guide base hardening, infrastructure resilience, and energy-efficient operations. Harness the strength of SSAI’s weather and ocean related domain awareness.

Manufacturing & Prototyping

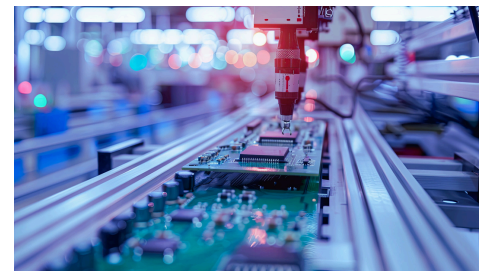
Leverage SSAI’s machining, additive manufacturing, and rapid-prototyping capabilities to produce custom mission-critical components and sensor housings on-demand. Our integration & test facilities support accelerated field modifications and equipment upgrades—ensuring that forward units can receive tailored kit adaptations in time.

Health IT & Medical Readiness

Architect secure, interoperable digital health platforms—EHR, telehealth, remote monitoring—augmented with AI diagnostics to keep warfighters mission-ready.

Joint All-Domain C2 (JADC2)

Integrate cross-service sensor networks into an AI-powered backbone for rapid target handoff, “call-for-fire,” and synchronized multi-domain operations.



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