NGS
SOLUTIONS DELIVERED

Capabilities Brief

Geospatial engineering for mission-ready systems

Newmoyer Geospatial Solutions LLC

FOUNDED	HQ	CAGE	UEI	GSA MAS
2015	Charleston, SC	5KLC8	KATLSZYYHBB3	47QTCA26D002H

A geospatial engineering partner

NGS is a geospatial engineering and software company focused on secure, scalable, and interoperable solutions for mission-critical environments. We combine deep GIS expertise, modern software engineering, and open standards to help customers build systems that perform in the real world.

Technical Depth

Geospatial engineering, software development, DevSecOps, and systems integration across demanding operational environments.

Mission Readiness

Defense, government, and operational use cases. Systems built for production, not prototypes or presentations.

Open Standards

Vendor-neutral, interoperable solutions built on open standards and open-source technologies customers can extend.

Three mission problems we solve

Recurring, integration-heavy geospatial problems for defense and national security customers.

01

Imagery at Mission Speed

High-speed delivery of fresh commercial satellite imagery to operators.
Edge-deployable pipelines, resilient in constrained networks.

MISSION OUTCOMES

- 70%+ latency reduction
- Operator-tasked pixels
- Edge-ready architecture

02

C5ISR Systems Integration

Real-time fusion of TDL, GCCS, drone, and legacy sensor feeds into a single common operating picture for decision and targeting.

MISSION OUTCOMES

- 14+ system integrations
- TDL and GCCS interop
- 2D/3D COP delivery

03

3D Data at Scale

Processing and visualization of 3D Tiles, LiDAR, and photogrammetry using CesiumJS for web-native, immersive mission context.

MISSION OUTCOMES

- Web-native 3D
- LiDAR and imagery fusion
- Browser-based delivery

Delivered in real operational environments

USSOCOM

High-Speed Imagery for SOF

PRIME Valley IT
PERIOD 2024 - Present

SCOPE

Commercial satellite imagery pipelines for SOF operators, optimized for disadvantaged networks and edge deployment.

OUTCOME

70%+ latency reduction from task to delivered pixels.

USSOCOM

AIDE Core Geospatial Services

PRIME Novetta / Accenture Federal
PERIOD 2014 - 2024

SCOPE

Core geospatial services for the AIDE platform, including 2D/3D common operating picture and enterprise data integration.

OUTCOME

14+ upstream and downstream system integrations delivered.

DHA

MedCOP Geospatial Platform

PRIME Accenture Federal
PERIOD 2020 - Present

SCOPE

Integrated 14+ Military Health System data sources into a unified operational view for DHA medical planning and decision support.

OUTCOME

Single operational view across fragmented MHS data landscape.

Modern engineering practices for mission software

Agile delivery, AI-accelerated engineering, and DevSecOps combine to ship working software faster without trading away security or quality.

Agile Software Engineering

Iterative delivery against mission outcomes. Short cycles, working software in front of users, and continuous feedback from operators, primes, and program offices.

- Sprint-based delivery
- User-tested increments
- Operator feedback loops

AI-Accelerated Engineering

AI tooling across the SDLC accelerates design, implementation, testing, and documentation, compressing delivery timelines while maintaining engineering discipline.

- Faster design cycles
- Higher test coverage
- Shorter time to delivery

DevSecOps

Security, compliance, and quality are built into the pipeline from day one. STIG, FIPS, SBOM, and CVE remediation are standard practice, not an afterthought.

- Automated security scans
- STIG / FIPS compliance
- Cont. CVE remediation

Cloud and Open Standards

Cloud enablement, optimization, and OGC-compliant, vendor-neutral architecture so customers can extend their systems over time without lock-in.

- Cloud-native deployment
- OGC-compliant APIs
- Open-source foundation

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Let's talk.

Secure, interoperable geospatial systems built for real operational environments.

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