



Newmoyer Geospatial Solutions



“Solutions Delivered”

Introduction

Founded and headquartered in Charleston, SC, Newmoyer Geospatial Solutions (NGS) stands at the forefront of geospatial technology and services.

Our expertise spans the most demanding sectors, employing both commercial and open-source GIS technologies to craft unmatched solutions.



Mission: Deliver technology and services that empower our clients to achieve their objectives with unparalleled efficiency and effectiveness.



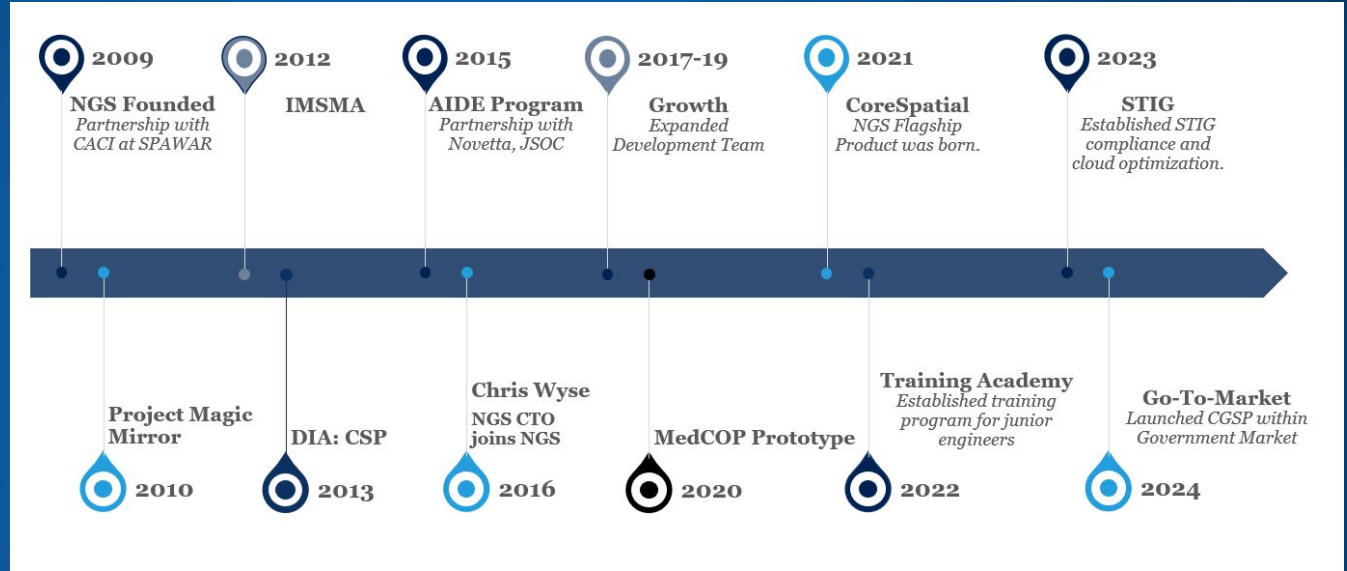
Company Overview



Jason Newmoyer, CEO



Chris Wyse, CTO



Core Values

We strive to be the foremost provider of geospatial solutions, enabling our clients to accomplish more with fewer resources



Excellence



Customer Dedication



Innovation



Ethical

Our Expertise



Web Application Development

NGS develops intuitive, scalable, and high-performing web applications that are powerful, reliable, and user-friendly across multiple platforms and devices.



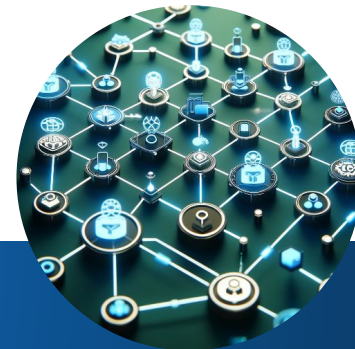
Geospatial Data Integration

NGS combines geospatial data and C5ISR systems expertise to deliver solutions that enhance situational awareness and operational effectiveness, integrating diverse data sources for actionable insights.



DevSecOps

NGS integrates security throughout the software development lifecycle using DevSecOps practices, ensuring robust protection and maintaining agility for rapid deployment, making security foundational in all solutions.



C5ISR Systems Integration

We specialize in seamless data integrations, enhancing situational awareness and decision-making by facilitating secure and free-flowing information exchange across systems like GCCS-J/A, Link-16, and ABCS.

Differentiators

NGS stands out as a leader in delivering turn-key software solutions with a focus on innovative methodologies and technologies.

Key Points

Integrated Programs: 7

Users Served: 1.8 million

Data Formats: 250+

Average Uptime: 99.3%

Average Cost Savings: \$150k Annually

Agile Development

C5ISR Systems

DevSecOps Security

Cost Optimization

Advanced Data Integration

Web Application
Development

Agile Development

1. **Emphasis on SCRUM:** Utilizing SCRUM to drive our software development process.
2. **Rapid and Quality Deliveries:** Ensuring the rapid delivery of high-quality solutions through streamlined processes.
3. **Flexibility and Adaptation:** Embracing flexibility to accommodate changes and enhancements during the development cycle.
4. **Continuous Feedback Loop:** Incorporating continuous feedback to refine and improve outcomes.
5. **Stakeholder Involvement:** Engaging stakeholders directly in the development process to ensure alignment with client needs and expectations.
6. **Client-Centric Outcomes:** Our approach guarantees that final deliverables are closely aligned with client specifications and business goals.

Adiabat needed a robust, real-time weather analysis platform capable of serving the critical demands of the Intelligence Community with high reliability and uptime.

Solution

- Iterative development with constant client feedback to meet precise needs.
- Integration of real-time weather data for immediate analysis.
- Supports 200k users with a 100% uptime.

Outcome

- Enhanced Capabilities: Timely and accurate weather data improves Intelligence Community operations.
- Client Trust: Adiabat's satisfaction with the platform solidifies NGS as a reliable software development partner.

Adiabat



1. **Seamless Security Integration:** Integrating security at every step of the software development lifecycle.
2. **Robust Cyber Protection:** Ensuring robust protection against a wide range of cyber threats.
3. **Agility and Efficiency:** Balancing strong security measures with the agility needed for rapid development and deployment.
4. **Foundational Security:** Security is a foundational element, not an afterthought, in all our software solutions.

Rave needed to expand and secure their mass notification system to handle diverse communication channels and ensure reliable delivery across multiple platforms.

Rave Mobile Safety



Solution

DevSecOps Integration: Leveraged our DevSecOps practices to seamlessly integrate security throughout the development and enhancement of Rave's notification system.

System Expansion: Enhanced the system to support multi-channel communications including text, email, voice, and social media, utilizing single sign-on and multi-factor authentication with Okta.

Outcome

FedRAMP Authorization: Achieved FedRAMP authorization, enhancing the security and compliance of the system.

Improved Emergency Preparedness: Enabled Rave to deliver critical communications swiftly and securely, improving emergency response and public safety across communities.

Reliable Performance: Ensured top performance and delivery reliability, tested daily by thousands of agencies and organizations nationwide.

Geospatial Data Integration

Valley IT required geospatial data integration for multiple products and services to enhance their IT solution offerings. They needed to unify various technology solutions, including network solutions, security systems, and cloud services, with geospatial capabilities.

Solution

Data Integration: NGS leveraged its expertise in geospatial data and C5ISR systems to integrate geospatial capabilities into Valley IT's diverse product portfolio.

Customized IT Enhancements: Developed tailored integration strategies that aligned with Valley IT's existing services and hardware/software specifications.

Outcome

Enhanced Product Offerings: Enabled Valley IT to offer enhanced geospatial functionalities in their IT solutions.

Operational Efficiency: Improved operational efficiency and decision-making capabilities for Valley IT.

Client Satisfaction: Strengthened Valley IT's client relationships and business growth potential by providing state-of-the-art integrated solutions.



1. Comprehensive Integration: Expertise in integrating geospatial data with C5ISR systems to provide comprehensive solutions.
 - Ensuring seamless connectivity between diverse data sources and systems.
2. Enhanced Situational Awareness: Empowering organizations with the data needed for decisive action and strategic planning.
 - Mission-Critical Capabilities: Providing capabilities essential for operational success and mission fulfillment.
3. Operational Effectiveness: Bridging technology gaps to enhance system compatibility and functionality.
 - Superior Performance: Achieving superior situational awareness and operational effectiveness through advanced integration techniques.

1. Specialized Data Integrations

- Core Systems: Facilitating interoperability across critical C5ISR platforms including GCCS-J/A, Link-16, and ABCS.
- Seamless Integration: Ensuring seamless data flow and integration to enhance system functionality and user experience.

2. Enhanced Situational Awareness

- Vital Information Exchange: Optimizing the exchange of vital information between interconnected platforms to improve situational awareness.
- Secure Data Flow: Maintaining high-security standards to ensure that data exchanges are secure and protected.

3. Improved Decision-Making

- Operational Effectiveness: By ensuring continuous and secure information flow, decision-making processes are enhanced, supporting more informed and timely decisions.
- Strategic Advantages: Providing strategic advantages through improved data accessibility and analysis capabilities.





AIDE

Successfully implemented a comprehensive GIS service framework, encompassing basemaps, OpenStreetMap, overlays, automation, and search functionalities.



MedCOP

Successfully developed a customizable dashboard display seamlessly integrating with over 14 Military Health Systems of Record and implemented cross-domain data replication.



CSP

Successfully implemented ArcGIS solutions in the IC focused on collection and analysis of multi-source / multi-discipline intel and developed custom clients to support analytical workflows.



IMS

Successfully implemented ArcGIS solutions development in support of Geneva International Center for Humanitarian Demining resulting in an information management system and data collection platform.

Solutions

NGS is the sole provider of a hardened and STIG'd solution of GeoServer and Basemaps package.

Engineered Excellence: CoreSpatial® features a hardened, optimized version of GeoServer designed for secure, scalable, and high-performance geospatial operations.

Proactive Security: Incorporates critical vulnerability updates from CISA.gov, with active mitigations and scheduled updates enhancing security.

DISA Compliance: Adheres to DISA.gov best practices, including regular vulnerability scanning and updates, ensuring optimal security posture.

Performance Optimization: Fine-tunes the Java Virtual Machine for peak performance and efficient memory usage.

Reliable and Compliant: Continual product enhancements and strict adherence to OGC standards ensure CoreSpatial's operational reliability and seamless interoperability for integrated geospatial analysis.



Data Management: Simplifies handling of geospatial layers and data.

Quality Visualization: Offers high-quality basemaps like OSM and Imagery.

Efficient Updates: Automated installation and regular updates streamline operations.

Scalable: Adapts from regional projects to extensive deployments.

Continuous Support: Regular updates and expert assistance ensure peak performance.

Optimized Performance: Engineered for high-efficiency and scalable geospatial operations.

Security Hardened: Implements advanced security measures to protect data integrity.

Flexible Integration: Supports seamless connectivity with various data sources and systems.

Open Source: Operates under OGC standards, ensuring compatibility and extensibility.

Regular Updates: Includes ongoing enhancements and expert support for continual improvement.

Contact Information



Matt Hodges, BD Manager

matt.hodges@newmoyergeospatial.com



[@newmoyer-geospatial](https://www.linkedin.com/company/newmoyer-geospatial)

Cage Code: 5KLC8
UEI: KATLSZYYHBB3

[newmoyergeospatial.com](https://www.newmoyergeospatial.com)