



Government Grants Proposal for:
Gryphon Geospatial Analytics LLC

Prepared by USGrants.org

1. PROJECT COVER INFORMATION

Project Title:

Gryphon Geospatial Analytics Launch and National Expansion Readiness Project

Applicant Organization:

Gryphon Geospatial Analytics LLC

Project Director / PI:

Owner-Operator, Service-Disabled Veteran (SDVOSB)

Amount Requested:

\$30,700

Project Period:

12-month startup and scale period

2. EXECUTIVE SUMMARY / ABSTRACT (1/2-1 page)

Problem / Need:

Organizations at every level, from small municipalities to commercial firms and defense-adjacent contractors, increasingly depend on accurate location-based data to plan infrastructure, manage assets, monitor environmental conditions, assess risk, and make operational decisions. Many smaller entities lack in-house GIS staff, modern computing infrastructure, and cost-effective access to tailored geospatial analytics. They often face a choice between doing without GIS capabilities or purchasing expensive, enterprise-focused solutions that are not designed for local and independent needs.

Target Population / Sector:

Small municipalities, local government agencies, commercial businesses, and Department of Defense and defense-industrial base stakeholders that need reliable geospatial products, mapping, and analytics without the overhead of large enterprise contracts.

Proposed Solution:

Gryphon Geospatial Analytics LLC will deliver custom, client-specific geospatial analytics services, including GIS mapping, spatial analysis, and drone-enabled data collection. The grant will provide the essential startup capital needed to acquire foundational equipment and licensing so the company can produce professional-grade deliverables, meet typical government and commercial expectations, and compete for work at both local and national levels.

Key Activities:

- Stand up a professional GIS production environment (workstations, servers, secure storage, and licensed GIS software).
- Provide geospatial analytics services and deliverables tailored to client missions, ranging from small municipal needs to larger organizational requirements.
- Conduct drone-based data collection to generate current, high-resolution datasets for mapping, inspection, and analysis where appropriate.

Expected Outcomes:

- Increased access to affordable, high-quality geospatial analytics for smaller local entities that are currently underserved by large national providers.
- Improved decision-making and operational efficiency for clients through actionable mapping products, spatial dashboards, and analytic reports supported by up-to-date data.

Funding Request & Duration:

\$30,700 for a 12-month period to establish initial operational capacity and support early growth.

3. STATEMENT OF NEED / PROBLEM STATEMENT

Problem Description:

Geospatial analytics has become a core capability across government and industry because location and time are fundamental to planning, response, logistics, infrastructure management, and risk reduction. Despite this, many small municipalities and independent organizations do not have the budget, staffing, or technical infrastructure to build and maintain GIS capability in-house. At the same time, national-level providers and large institutions often focus on federal customers and large enterprises, leaving a service gap for smaller local clients who still require professional outputs and responsive service.

Who Is Affected:

Local governments and small municipalities needing asset inventories, zoning and planning support, emergency management mapping, and infrastructure analysis; commercial businesses requiring site analysis, operational mapping, and risk assessments; and defense-adjacent organizations that must work with geospatially informed planning and reporting but may not have internal capacity.

Current Gaps:

The market has strong national providers and agencies that deliver high-value geospatial data and services, but smaller clients frequently struggle to obtain fast turnaround, customized deliverables, and a consistent point of contact. There is also a gap in affordable, mission-tailored integration of drone-collected data into GIS products for local and mid-sized clients.

Consequences if Unaddressed:

Without accessible geospatial analytics, smaller entities can experience inefficient planning, increased operational risk, slower response in emergencies, and avoidable costs due to outdated or incomplete location-based information. Over time, the lack of GIS capability can widen the capacity gap between large organizations and smaller communities.

4. PROJECT GOALS & OBJECTIVES

Overall Goal:

Establish and scale Gryphon Geospatial Analytics LLC as a service-disabled veteran-owned geospatial services provider capable of delivering professional, secure, and tailored GIS analytics to clients locally and nationally.

Specific Objectives (SMART):

Objective 1:

Within 90 days of award, Gryphon Geospatial Analytics will deploy a fully operational GIS production environment, including computing systems, server capability, secure storage, licensed GIS software, and a drone platform for field data collection.

Objective 2:

Within 6 months of award, Gryphon Geospatial Analytics will execute a structured outreach and marketing plan targeting social media channels, commercial businesses, local government, and defense-related industries, with the aim of establishing a consistent pipeline of qualified leads.

Objective 3:

Within 12 months of award, Gryphon Geospatial Analytics will deliver recurring geospatial analytics services to a mix of local and broader-market clients, demonstrating the ability to serve both small municipalities and larger organizations with tailored deliverables and a high-trust client relationship model.

5. PROJECT DESCRIPTION / PROGRAM NARRATIVE

Project Overview:

The project funds the essential tools required to launch a professional geospatial analytics practice that can produce industry-standard outputs. The business model is service-based, emphasizing customized solutions rather than one-size-fits-all products. Gryphon Geospatial Analytics will operate as a lean, home-based SDVOSB where the owner serves as both the business lead and the operating engineer, providing direct accountability and consistent quality control from intake to final deliverable.

Approach / Strategy:

The strategy is to combine modern GIS computing infrastructure, licensed software, and drone-based data collection to provide an end-to-end workflow: collect or source data, clean and integrate it, analyze it, and deliver usable outputs (maps, datasets, and decision-support products). This approach works because many clients do not need a massive

enterprise platform; they need accurate, defensible results, delivered quickly, with clear communication and customization.

Key Activities:

- Acquire and configure furniture and workspace essentials to support reliable daily operations and secure handling of client information.
- Purchase GIS-capable computer systems and servers to run spatial analysis workloads and store project data reliably.
- Implement secure storage via dedicated hard drives for project archives, backups, and controlled access to deliverables.
- Obtain GIS software licensing to ensure professional-grade analysis capabilities and compatibility with common government and commercial GIS formats.
- Acquire a GIS-capable drone to collect current imagery and field data to support mapping, inspections, and analytics.

Innovation / Best Practices Used:

Gryphon Geospatial Analytics differentiates itself by pairing professional GIS workflows with drone-enabled data collection and a high-touch service model. Larger competitors tend to operate through large-scale programs and standardized offerings; this project supports a nimble provider that can tailor outputs, iterate quickly with the client, and provide a direct professional relationship with the responsible engineer.

Alignment with Grant Priorities:

The project aligns with common public-sector priorities such as strengthening small business capacity, supporting veteran entrepreneurship (SDVOSB), expanding access to technical services for local communities, and building domestic capability in a field that supports infrastructure, public safety, and national security-adjacent work.

6. METHODS / WORK PLAN

Implementation Steps:

Phase 1 - Setup

The business will purchase and install office furniture and establish a functional workspace. GIS workstations/servers will be configured, storage devices will be set up for secure backups and project archiving, GIS software will be licensed and installed, and the drone platform will be acquired and integrated into a standard data collection workflow.

Phase 2 - Execution

The company will begin client outreach through social media and direct engagement with commercial businesses, local government entities, and defense industry channels. Early projects will be prioritized to build a portfolio demonstrating mapping accuracy, responsiveness, and tailored deliverables.

Phase 3 - Delivery

Gryphon Geospatial Analytics will deliver completed geospatial products and services, document methods used for defensibility and repeatability, and refine workflows based on client feedback to improve turnaround time and quality.

Timeline:

The setup phase is expected to occur in the first 1 to 3 months, followed by ongoing execution and delivery throughout

the remainder of the 12-month period, with marketing and client acquisition running continuously after initial setup.

7. TARGET POPULATION / BENEFICIARIES

Who Will Be Served:

Primary beneficiaries include small municipalities and local government agencies that need GIS services without maintaining full-time GIS staff, along with commercial businesses requiring geospatial decision support. Secondary beneficiaries include defense-related organizations and contractors that value dependable geospatial workflows and professional data handling.

Recruitment / Access Method:

Clients will be reached through targeted social media marketing, direct outreach to commercial and local government stakeholders, and engagement with Department of Defense and defense-industry networks where geospatial products are routinely required.

9. ORGANIZATIONAL CAPACITY

Organization Mission:

To provide professional, customized geospatial analytics and data collection services that help organizations make better decisions using accurate, timely, and mission-relevant location-based information.

Relevant Experience:

The company is positioned as an owner-operated geospatial services provider, emphasizing direct technical execution and accountability. The SDVOSB status supports a mission of bringing veteran-led leadership and service orientation to a growing technical field.

Systems & Infrastructure:

The grant-funded buildout focuses on establishing the core infrastructure required for production-grade GIS work, including computing, server capability, secure storage, licensed software, and drone data capture capacity. Operations are home-based to keep overhead low while maintaining professional output and responsiveness.

Compliance & Financial Controls:

The requested items are direct, auditable startup costs tied to service delivery. Purchases are easily documented with invoices and receipts, and equipment is durable and directly connected to producing deliverables for government and commercial customers.

12. BUDGET SUMMARY

Total Request: \$30,700

Furniture: \$1,700

GIS computer systems and servers: \$12,000

Storage hard drive: \$1,000

GIS software licensing: \$10,000

GIS drone for data collection: \$3,000

13. BUDGET JUSTIFICATION (NARRATIVE)

Equipment:

The GIS computer systems and servers (\$12,000) are necessary to run computationally intensive spatial analysis, manage large imagery and vector datasets, and support dependable project storage and processing. The dedicated storage hard drive (\$1,000) is required for secure backups, project archiving, and controlled deliverable handling, which are standard practices in professional geospatial work. The GIS drone (\$3,000) enables the company to collect current, high-resolution data in areas where existing datasets are outdated, incomplete, or unavailable, improving accuracy and allowing faster turnaround for mapping, inspection, and analysis needs.

Supplies / Workspace:

Furniture (\$1,700) supports a stable, organized workspace suitable for consistent production, secure document handling, and client communication. A professional work environment supports reliability, productivity, and sustained operations.

Software:

GIS software licensing (\$10,000) is essential to produce professional-grade deliverables using accepted industry tools, ensure compatibility with common government and commercial GIS formats, and provide core capabilities such as spatial analysis, data management, cartographic production, and integration of drone-derived outputs.

14. SUSTAINABILITY PLAN

Post-Grant Funding Strategy:

After initial capitalization, sustainability will come from service revenue generated through a growing client base at the local level and expansion to national-level customers. The marketing plan targets social media, commercial businesses, local government, and defense-related industries to diversify the pipeline and reduce dependence on any single segment.

Revenue or Cost Recovery:

The business will recover costs through project-based fees, recurring service arrangements, and ongoing analytical support contracts. The lean, home-based operating model reduces fixed overhead, allowing pricing that is competitive for smaller municipalities while still supporting reinvestment into tools, training, and capacity.

15. RISK MANAGEMENT

Key Risks:

A primary risk is early-stage client acquisition and the time required to build a reliable pipeline. Another risk is the rapidly evolving nature of geospatial tools and client expectations, which can require ongoing learning and workflow refinement. Operationally, managing large datasets and drone-collected data requires disciplined storage, backup, and

handling practices to prevent loss and maintain client confidence.

Mitigation Strategies:

The company will mitigate pipeline risk through diversified outreach across social media, commercial clients, local government, and defense-industry channels rather than relying on a single source of work. Technical and quality risks will be mitigated by standardizing GIS workflows, maintaining consistent backup and archiving practices using dedicated storage, and using licensed professional tools to ensure repeatability and compatibility. The owner-operator model also reduces execution risk by keeping accountability centralized, enabling faster client communication, quicker iteration, and consistent quality control across projects.