



Capability Statement

Executive Summary

Geodata IT, LLC is an innovative and advanced Information Technology (IT) services company. We are an SBA 8(a) Certified, Veteran-Owned (VOSB), and Minority-Owned Small Business (MBE), privately owned and operated in St. Louis, Missouri since 2012. Geodata IT is a GSA Schedule 70 contract holder.

Geodata IT, LLC provides exceptional niche solutions to national security and mission requirements in the areas of advanced technology and innovative solutions development for the Department of Defense (DoD) and Intelligence Community (IC).

Awards

- 2017 Minority Small Business of the Year for Eastern Missouri – U.S. Small Business Administration (SBA)

Certifications/Contract Vehicles/Codes

- ISO 9001:2015 Certification
- SBA 8(a) Certified Small Disadvantaged Business (SDB)
- Veteran-Owned (VOSB)
- GSA Schedule 70
- CAGE: 6QJF5
- DUNS: 078448481

Associations

- American Small Business Coalition
- The Society of Industrial Security Professionals (NCMS)
- Hispanic Chamber of Commerce (HCC) of Metro STL
- The Armed Forces Communications and Electronics Assoc.
- National Defense Transportation Assoc.
- United States Geospatial Intelligence Foundation

President/CEO Justin W. Bennett serves as a Co-Chairman for the United States Geospatial Intelligence Foundation (USGIF) – St. Louis Area Working Group

NAICS

541512, 518210, 541511, 541513, 541611, 541519, 541618, 541690, 541360

Core Competencies

- **Machine/Deep Learning** – Black Box Integration and Deep Neural Networks
- **Big Data & Data Analytics** – Fast Visualization
- **Cyber Security** – Hunt, Defend, Protect, Compliance and Anomaly Detection
- **Agile Development** – “Fail Fast Approach” Software Development and Delivery
- **Enterprise IT Modernization** – Real TCO and ROI
- **Systems Engineering & Architecture** – Roadmapping and Business Process Modeling

Capabilities

Our team of experts can assist with solutions that leverage emerging technologies such as Machine/Deep Learning to support integration, dynamic data, security labeling, source discovery and dissemination of finished products; from on premise and cloud-based systems.

VisualML Framework

- VisionML Image Processing
- DIUx xView 2018 Detection Challenge
- Illustration of overhead object training data

Differentiators

Geodata IT, LLC leads a niche strategy and provides our clients the following benefits:

- Problems solved with tailored solutions
- Data chaos turned into order and value
- Predictable Return on Investment (ROI)

CONTACT

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Past Performance

National Geospatial-Intelligence Agency (NGA)

- NGA Enterprise Management/Cyber Security Services (EMCSS) - (Current), Contract # HM0476-16-C-0034
- NGA OCONUS Data Center (NODC) - (Current), Contract # HHM402-15- D-0017, Task Order # HM0476-17- F-0088
- GEOINT Services Boundless Exchange Professional Services - (Current), GSA Contract # GS-35F-334GA, Delivery Order # HM1575-17-F-0073.
- Consolidated Foundation GEOINT Production Environment (CFPE), Contract # HM1572-10-D-N011
- Active IT (AIT), Contract # HM0176-13-C-N003
- Program of Study in Data Sciences (PSDS), Contract # HM0476-16-C-0037

United States Transportation Command (USTRANSCOM)

- Cyber Enterprise Integration Lab (EIL) (Current), Contract # HTC711-15-F-D009 Prime / 1056-Geodata IT Subcontractor

Air Mobility Command (AMC)

- Mobility Air Forces Command and Control – Rapid Provisioning Services (MAF C2 RPS), Contract # FA4452-11- D-0005-0017

Defense Information Security Agency

- Defensive Information Technology Contracting Organization (DITCO) Federal Procurement Data System (FPDS), FPDS Nex, Contract # HC1028-14-F-0498 and HC1047-16-F-0011

Delivery

Feature Data Management Platform

During our tenure supporting CFPE, Geodata IT was able to advance the following features for the NGA customer:

- Dynamic Data & Data Driven based on services and service-oriented architecture
- 100% web based GIS application
- Capability to store or label at the attribute level for classification markings
- Source tracking and confidence in source
- One Object One Time - eliminated silos by going to an object based model for feature data management
- Standard or Customer defined ETL or Export into various GIS formats
- Conversion Services (units of measure conversion)
- Base Layer Service – to switch out base layer with any imagery, base maps, etc.
- Event, Alert, and Notification services for Business Process Workflow
- Search and Advanced Search for structured object logic database searching
- Conflation - feature rich visualization of objects requiring conflation into the gold copy of the object/feature.
- Proximity Loosening and Precedence to query spatial areas of interest.
- Data Deduplication/Disconnected Editing for file dissemination to customers
- Data Validation - used a rules engine with complex logic
- Security control markings stored at the attribute level (IC-ISM) - support classified and unclassified versions of products created.
- Feature Generalization
- Symbolization - capability to import and utilize licensed and customized symbols

Data Strategies, ML Enablement

For our current support to the NGA Enterprise Management/Cyber Security Services (EMCSS) contract, Geodata IT is leading the advancement of the following features:

- Establishing a robust Cyber Roadmap including leveraging Machine Learning to advance CSOC insights and annotations
- Defining a data dictionary, including source of data to products and services where the data is being used, with optimization recommendations of cost savings by not collecting, storing, or aggregating unnecessary data for Enterprise Audit.
- Revamped Cyber Data Quality processes by assessing and designing methods for managing data inconsistencies and fix actions to the source of the data problems.
- Delivered a DevOps framework for developing, testing, and releasing ArcSight parsers, connectors, and other supporting software into the Cyber ecosystem.
- Leveraged Elastic stack to visualize and dashboard a variety of monitored events and services.
- Created Elastic Watcher event monitoring for data feed and connector alerts

BAE's GXP Xplorer Maturity

Our current support for the NGA Ent, Geodata IT was able to advance the following features for the NGA customer:

- Enhanced GXP Xplorer capabilities to advance basic features and functions
- Developed tools to synchronize and tag large amounts of foundation data
- Created the GXP Xplorer 2.3.2 data model API to create custom data type menus for aforementioned foundation data.
- Improved a stats site web framework that hooks in to several packages including Xplorer's API.
- Developed tools to monitor Xplorer's cataloging progress / performance through its API.
- Optimized features to the UI by updating the included JavaScript code.
- Design and deployment of iSpy and related tools to ODC.