

CAPABILITY STATEMENT

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NAICS 541512 | 541360 | 541690

ATLAS GEO TECHNOLOGIES LLC

AI & Cloud Technology Solutions for Government

Service-Disabled Veteran-Owned Small Business (SDVOSB) | MBE

133,600+

Crashes Analyzed

31

Cities Covered

729

Fatalities Found

65 min

Per City Analysis

\$800

/month Starting

COMPANY OVERVIEW

Atlas GEO Technologies LLC is a **Service-Disabled Veteran-Owned Small Business (SDVOSB)** and **Minority Business Enterprise (MBE)** delivering **AI-powered technology, cloud computing, data analytics, and geospatial intelligence solutions** for government agencies. Our flagship product, **AtlasSafe**, is a cloud-native SaaS platform that uses artificial intelligence, machine learning, and spatial analytics to automate crash data analysis, public safety intelligence, and federal grant application packages.

We combine **AI automation** (Claude API), **machine learning** (DBSCAN), **cloud infrastructure** (Azure, Docker), and **GIS intelligence** (PostGIS, ArcGIS Online) to deliver what consultants charge \$50,000–\$992,000 for — in 65 minutes, for \$800/month.

TECHNOLOGY & CAPABILITIES

Domain	Capabilities
AI & Automation	Claude API report generation, ML-driven analysis, automated document production, intelligent QA validation
Cloud Platform	Azure infrastructure, Docker containers, REST API (FastAPI), SaaS multi-tenant architecture, nightly automation
Data Analytics	Crash data ingestion & ETL, EPDO severity scoring, BCR benefit-cost analysis, trend analysis, KABCO classification
Geospatial / GIS	PostGIS spatial database, DBSCAN clustering, ArcGIS Online publishing, hotspot mapping, coordinate analysis
Public Safety	High Injury Network identification, VRU analysis, countermeasure recommendations, FHWA methodology
Grant Services	SS4A & HSIP applications, evidence compilation, narrative generation, compliance documentation
Operations	Event mapping, emergency management GIS, agency dashboards, real-time monitoring

CERTIFICATIONS

Cert	Advantage
SDVOSB	Sole-source up to \$5M (FAR 19.1405)
MBE	VA 42% MBE participation goals
SAM.gov	Required for federal contracts
VA LLC	In-state vendor preference

NAICS CODES

NAICS	Description
541512	Computer Systems Design
541360	Geospatial Surveying & Mapping
541690	Scientific & Technical Consulting
518210	Data Processing & Hosting
541370	Surveying & Mapping Services

TECHNOLOGY STACK

Tech	Stack
AI	Claude API, DBSCAN ML
Cloud	Azure, Docker, FastAPI
GIS	PostGIS, ArcGIS Online
Data	Python, PostgreSQL 16
Security	UFW/NSG, Caddy HTTPS, API auth

KEY DIFFERENTIATORS

- **AI-Powered:** Claude API generates professional reports and grant applications. DBSCAN machine learning identifies crash clusters.
- **Cloud-Native:** Azure-hosted, Docker-containerized, API-first architecture. No software to install.
- **Speed:** Complete crash analysis and grant-ready evidence in **65 minutes** vs. 6–12 months from consultants.
- **Cost:** \$800/month (\$9,600/year) under Virginia’s no-RFP threshold. Consultants charge \$50K–\$992K.
- **Scale:** 133,600+ real VDOT crashes analyzed across 31 Virginia cities.
- **Veteran-Owned:** SDVOSB + MBE enable sole-source procurement up to \$5M.

CURRENT ENGAGEMENTS

City	Crashes	Fatal	KSI	AI-Generated Deliverables
Martinsville, VA	2,232	5	62	Evidence Report + SS4A App + AGOL Dashboard
Danville, VA	8,337	39	543	Evidence Report + SS4A App + AGOL Dashboard
Staunton, VA	3,131	3	262	Evidence Report + SS4A App + AGOL Dashboard
Waynesboro, VA	3,537	13	212	Evidence Report + SS4A App + AGOL Dashboard
Christiansburg, VA	3,123	14	167	Evidence Report + SS4A App + AGOL Dashboard
31 Cities Total	133,600+	729	6,536	AI Reports + Cloud Maps + Grant Packages

FEDERAL PROGRAMS SUPPORTED

Program	Annual \$	Authority	Atlas GEO Role
HSIP	\$3.1B/year	23 U.S.C. §148	AI-powered crash analysis for applications
SS4A	\$1B+/year	IIJA FY22–26	Data analytics + AI-generated application packages
Sec 402/405	\$800M/year	23 U.S.C. §402	Safety data analytics for state programs
BUILD/RAISE	\$1.5B/year	USDOT	Supporting crash data evidence and analysis

CONTACT	ONLINE	LIVE AI DEMOS
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