



Service-Disabled Veteran-Owned Business, NDAA-compliant survey-grade aerial LiDAR & photogrammetry

<b>Datum Geomatics LLC</b> / San Antonio, Texas Mike Mullins, Retired USAF, Lt Col with 22+ years aerospace experience PhD in Unmanned Systems Applications Founder & Principal Pilot	mike@datumgeomatics.net datumgeomatics.net 210-215-9373
--	---

### CORE COMPETENCIES

- **Survey-grade aerial LiDAR** — Classified point clouds with documented accuracy. Topographic mapping, transmission corridor analysis, vegetation encroachment classification, forestry inventory and biomass estimation. ROCK Ultra payload (1000m range, ≥7 returns, 2–3 cm accuracy).
- **RTK / PPK aerial photogrammetry** — High-accuracy 3D mapping, orthomosaics, and DSMs. 45 MP integrated camera with survey-grade IMU and tri-band GNSS. Engineering-grade deliverables for construction, mining, and infrastructure.
- **Volumetric & terrain analysis** — Stockpile volumetrics, cut-and-fill calculations, progress monitoring, reclamation tracking, and pit topography. Recurring monthly programs supported.
- **Decision-grade analytics & reporting** — Data products engineered for engineer sign-off, audit defensibility, and integration into client GIS workflows. Calibration discipline and chain-of-custody documentation throughout.

### DIFFERENTIATORS

- **Retired USAF Lt Col with 22+ years aerospace experience** — Service-Disabled Veteran-Owned Small Business (SDVOSB) — Eligible for federal SDVOSB set-aside contracts and prime subcontracting preferences.
- **PhD in Unmanned Systems Applications** — Founder credentials underwriting technical depth, calibration rigor, and research-grade methodology.
- **FAA Part 107 Remote Pilot** — Active certification with experience operating in regulated and complex airspace.
- **NDAA / Blue UAS-compliant fleet** — Inspired Flight 800 Tomcat airframe with ROCK Ultra survey-grade LiDAR. Eligible for federal procurement and NDAA-mandated utility programs.
- **Aviation liability insurance** — \$1M occurrence / \$2M aggregate. Certificates of insurance available on request.
- **Texas-Based, National Reach** — Headquartered in San Antonio. Texas-region service for commercial drive-day work; available nationwide for federal contracts and fly-out engagements.

### PAST PERFORMANCE

*Datum Geomatics LLC was established in 2026. Prior relevant experience:*

- **Doctoral research in Unmanned Systems Applications** — Dissertation topic: Unmanned Autonomous Systems: Modernization of Air Force Installation Infrastructures Utilizing LiDAR Technology
- **Active commercial UAS operations under affiliated home inspection LLC** — FAA Part 107 Licensed: DEC 2022; 200+ flights across 120+ sites since 2022

*Sample deliverables and case studies available on request as engagements complete.*

### COMPANY DATA

<b>Legal name</b>	Datum Geomatics LLC
<b>State of formation</b>	Texas
<b>Fed EIN</b>	42-2330215
<b>UEI / SAM.gov</b>	[Pending — registration in process]
<b>CAGE Code</b>	[Pending]
<b>Primary NAICS codes</b>	541370 — Surveying & Mapping (except Geophysical) 541620 — Environmental Consulting Services 541715 — Research & Development in the Physical Sciences 541690 — Other Scientific & Technical Consulting Services
<b>SBA size standard</b>	Small business under all listed NAICS codes
<b>Insurance</b>	\$1M / \$2M aviation liability; COI available on request
<b>Procurement onboarding</b>	ISNetworld / Avetta available within 4–8 weeks of customer requirement