



PLANATE

MANAGEMENT GROUP

CORNERSTONE FOR SERVICE, INTEGRITY, AND INNOVATION

BLUE DRONE

CAPABILITY STATEMENT



COMPANY OVERVIEW

We deliver engineering grade drone data that enables safer operations, faster decisions, and defensible outcomes. Our teams combine experienced, certified UAS pilots, licensed survey professionals, and aerospace engineers to support complex infrastructure, construction, and emergency response missions.

Our focus is simple: safe collection, fast turnaround, and accurate, repeatable geospatial deliverables you can rely on.



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VALUE PROPOSITION

- ▶ Risk Reduction: Remote sensing that keeps personnel out of hazardous or hard to reach environments
- ▶ Decision Ready Data: Survey grade accuracy with consistent, documented QA/QC
- ▶ Operational Efficiency: Fewer site visits, faster schedules, and scalable repeatable workflows
- ▶ Trusted Technology: Blue UAS / NDAA aligned platforms available for sensitive or controlled environments

CORE UAS CAPABILITIES

AERIAL LIDAR MAPPING (UAV)

- ▶ Survey grade topographic mapping and ground classification through vegetation
- ▶ Corridor and linear infrastructure mapping (roads, rail, transmission, pipelines)
- ▶ Deliverables include:
 - LAS/LAZ point clouds
 - DEM / DTM / DSM
 - Contours, profiles, and breaklines

UTILITIES & INFRASTRUCTURE INSPECTION

- ▶ Powerline clearance modeling and analytics
- ▶ Pole, tower, and structure modeling
- ▶ Bridge, facility, and ROW inspections

THERMAL / INFRARED & CONDITION MONITORING

- ▶ Roof and solar PV inspection and hotspot identification
- ▶ Substation and mechanical component monitoring
- ▶ Leak detection, water intrusion, and envelope assessments
- ▶ Day and night operations available

PHOTOGRAMMETRY & OBLIQUE IMAGING

- ▶ High resolution orthomosaics to project specified GSD ($\leq 1-3$ cm/pixel typical)
- ▶ 3D textured meshes and facade models
- ▶ Volumetric calculations (stockpiles, cut/fill, earthworks)

CONSTRUCTION PROGRESS & AS BUILT DOCUMENTATION

- ▶ Routine progress capture and schedule validation
- ▶ Cut/fill analysis and earthwork reconciliation
- ▶ BIM and CAD integration (Civil 3D, Revit)
- ▶ Ground control and independent checkpoints for defensible QA/QC

EMERGENCY RESPONSE & RAPID MAPPING

- ▶ Disaster assessment and damage documentation
- ▶ Rapid situational awareness mapping
- ▶ Time sensitive data delivery to support response and recovery

PAST PERFORMANCES

Drone Video and Photography Damage Assessment – Cebu Earthquake

- ▶ Deployed a certified drone pilot and engineer to assess damage across five schools in Medellin and Torrevillas, with support from the US-Philippine Society, following the 2025 Cebu earthquake
- ▶ Used drone imagery, high-resolution photography, and GIS analysis to document structural conditions for safety planning, repair prioritization, and long-term rehabilitation
- ▶ Demonstrated Planate's ability to rapidly mobilize, apply advanced imaging technologies, and deliver actionable assessments that support community recovery

Amentum – Drone Engineering Assessment (HT)

- ▶ Conducted comprehensive site assessments to evaluate flooding risks and elevation profiles
- ▶ Performed soil testing, environmental baseline surveys, and detailed topographic analysis
- ▶ Executed drone surveys across designated sites to identify flood-prone areas
- ▶ Supported informed project planning and seasonal/storm risk mitigation

Bureau of Indian Education (BIE) – Construction Program Management Support Services

- ▶ Delivered construction management, construction administration, quality assurance, and commissioning services
- ▶ Supported 183 K–12 schools and two college campuses nationwide
- ▶ Managed projects ranging from maintenance and repair to new construction and design-build
- ▶ Ensured compliance with all applicable government regulations and policies

GIS & 3D Scanning Capabilities (BIE Projects)

- ▶ Led GIS data collection, visualization, and analysis for facility and site planning
- ▶ Produced interactive mapping, topographical flood maps, and remote inspection tools
- ▶ Delivered 3D facility documentation using terrestrial LiDAR and aerial photogrammetry
- ▶ Developed BIM point cloud models in Revit and Autodesk ReCap
- ▶ Generated orthomosaics, elevation data, roof layouts, floor plans, and square/cubic footage outputs



NAICS CODES

Primary:

- ▶ 541370 – Surveying and Mapping (except Geophysical) Services

Related:

- ▶ 541360 – Geophysical Surveying and Mapping Services
- ▶ 541922 – Commercial Photography
- ▶ 541990 – All Other Professional, Scientific, and Technical Services

PLANATE GLOBAL PRESENCE



POINTS OF CONTACT

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PLANATE MANAGEMENT GROUP A Service-Disabled Veteran-Owned Small Business

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