

SURVEY & GEOSPATIAL SUPPORT SERVICES

UAV DATA ACQUISITION & REALITY CAPTURE FOR SURVEYING PROFESSIONALS

PROVIDING AERIAL AND GROUND-BASED DATA COLLECTION SERVICES TO SUPPORT LICENSED LAND SURVEYORS, ENGINEERING FIRMS, AND GEOSPATIAL PROFESSIONALS.



AERIAL DATA COLLECTION

- FAA-compliant UAV operations
- Mission planning and execution
- High-resolution nadir and oblique imagery acquisition
- Large area, corridor, and site-specific coverage
- Repeatable flight missions for ongoing projects



GROUND SUPPORT SERVICES

- Ground control target deployment
- Check point placement and recovery
- Site reconnaissance and planning support
- Access coordination
- Field documentation and photography



REALITY CAPTURE SOLUTIONS

- Photogrammetric image acquisition
- 3D reality capture datasets
- Matterport digital twin capture
- Exterior and interior documentation
- Existing conditions imagery for project records



DELIVERABLES PROVIDED

- Raw imagery (NADIR & Oblique)
- Flight logs and metadata
- Ground control documentation
- Photo inventories
- 3D datasets / Point Clouds*
- Other project-specific files

*When requested and scope allows



PROJECT BENEFITS

- Reduce field time and site disruption
- Capture more data, faster
- Improve safety and efficiency
- Support for large or hard-to-reach areas
- Consistent, repeatable data collection
- Reliable partner who understands surveyor workflows

EQUIPMENT & TECHNOLOGY



UAV PLATFORMS

- DJI Matrice 4E (RTK)
- DJI Mavic 3 Enterprise (RTK)
- DJI Mavic 3 Pro



GROUND EQUIPMENT

- Emlid RS3 GNSS Receiver
- Ground Control Target Kits
- Field Accessories



REALITY CAPTURE

- Matterport Pro3 LiDAR Camera
- 360° Imaging Systems
- Professional Ground Imaging Equipment

QUALIFICATIONS

- ✓ FAA Part 107 Certified
- ✓ Fully Insured
- ✓ Experienced Data Collection Professionals
- ✓ Construction & Infrastructure Experience
- ✓ Responsive & Reliable
- ✓ Serving the Carolinas & Beyond

WHY PARTNER WITH PATHFINDER AERIAL & SPATIAL?



FAA Part 107 Certified



Survey Workflow Focused



Quick Response



Serving the Carolinas & Beyond



Experienced in Projects of All Sizes & Scopes

CONTACT US

- ☎ 803-335-4400
- ✉ info@pathfinderuav.com
- 🌐 www.pathfinderuav.com



Pathfinder Aerial & Spatial

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