



UNION DRONES LLC

Precision aerial and ground data services for the AEC, environmental, and emergency response sectors — fast, accurate, and actionable.



Capability Statement

UEI: P1BSYTN9S6P6

Cage code: 14M67

Socioeconomic Certification:

- Small Business
- HUBZone

Cybersecurity: CMMC Level 1 Pending

Gov. Credit Card: Accepted

Contact us!

360-233-7213

contact@uniondrones.net

www.uniondrones.net

Core competencies

- ✓ FAA Part 107 certified and insured drone operations for aerial data collection
- ✓ Ground control point (GCP) integration using RTK/PPK GNSS receivers and OPUS
- ✓ Photogrammetric 3D mesh production and CAD export for AEC BIM applications
- ✓ Volumetric analysis for quarry and resource management sites
- ✓ Thermal imaging and radiometric roof, building, and infrastructure inspections
- ✓ Digital Terrain Models (DTM), Surface Models (DSM), and Canopy Height Models (CHM)
- ✓ Environmental documentation for erosion, canopy density, and site condition monitoring
- ✓ GIS-ready exports for GIS, AutoCAD, Revit, and SketchUp, and other environments
- ✓ DroneDeploy, WebODM, QGIS, CloudCompare, Adobe Suite, and many others

NAICS codes:

- **541370** - Photogrammetric mapping services
- **541922** - Commercial Photography - Photographers specializing in aerial photography, thermal, and visual documentation for property and building inspections
- **541620** - Environmental Consulting Services Site monitoring, erosion tracking, and canopy analysis for land management
- **541690** - Other Scientific and Technical Consulting Services - Spatial data analysis, CAD/GIS reporting, and technical consulting
- **561990** - All Other Support Services Support services for construction, inspection, and site operations
- **541990** - All Other Professional, Scientific, and Technical Services - SAR and emergency response aerial support and special field documentation

Project Experience

- **Existing Conditions Mapping**
(Wider, WA Jan 2025 to Present) - RGB & thermal orthomosaic imagery and 3D modeling
- **Thermal & Visible Inspections**
(Wider, WA Jan 2025 to Present) - reporting for Residential and Commercial structures and sites
- **Quarry Mapping**
(Mason County, WA Jan 2025 to Present) - DTM, DSM, volume and slope analysis
- **Forestry/Vegetation Scanning**
(Wider, WA Jan 2025 to Present) - Visible-spectrum and thermal drone imaging used to assess canopy health, heat stress, and stand conditions
- **Geospatial Control & Mapping Support**
(Wider, WA Jan 2025 to Present) - Aerial and ground-based data collection with GNSS-enabled control points. Used RTK/PPK positioning, OPUS processing, and GCP-tagged imagery



Deliverables you can build on — terrain-ready, client-ready, contract-ready.

About our Company

Union Drones LLC is a provider of FAA-certified aerial and ground-based data services, supporting the Architecture, Engineering, and Construction (AEC) industry, environmental consultants, and public sector clients. We specialize in high-precision visual, thermal, and geospatial documentation that enhances site planning, inspection, and reporting workflows. Our operations are built around accuracy, rapid turnaround, and consistent, client-focused communication—ensuring decision-makers receive reliable, actionable deliverables without delay.

Certifications / Qualifications

- Masters of Architecture, University of Colorado
- 25+ Years Experience in the AEC Industry
- FAA Part 107 Certification
- Licensed and Insured Operations
- Flir ITC sUAS Level 1 Thermographer Certification

