



ADVANCED SITE MAPPING & DOCUMENTATION



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

Gov. Credit Card: Accepted

Contact us!

360-233-7213

contact@asmdocs.com

www.asmdocs.com

Core competencies

- ✓ FAA certified and insured drone ops. for construction and site data collection
- ✓ Ground control point (GCP) integration using RTK/PPK GNSS receivers and OPUS
- ✓ Photogrammetric 3D models and CAD/BIM exports for as-is and as-built documentation
- ✓ Volumetric analysis for quarry and site resource management
- ✓ Thermal imaging and radiometric roof, building, and infrastructure inspections
- ✓ Digital Terrain Models (DTM), Surface Models (DSM), and Canopy Height Models (CHM)
- ✓ Environmental and site documentation for erosion, canopy density, and monitoring
- ✓ CAD and GIS-ready exports for AutoCAD, Revit, SketchUp, and GIS platforms
- ✓ DroneDeploy, Pix4D, QGIS, CloudCompare, Adobe Suite, and other workflows.

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

Experience

- **Existing Conditions Mapping** (Wider, WA Jan 2025 to Present) - RGB & thermal orthomosaics and 3D site 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 generation with 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 data capture with GNSS control points, RTK/PPK positioning, OPUS processing, and GCP-tagged imagery

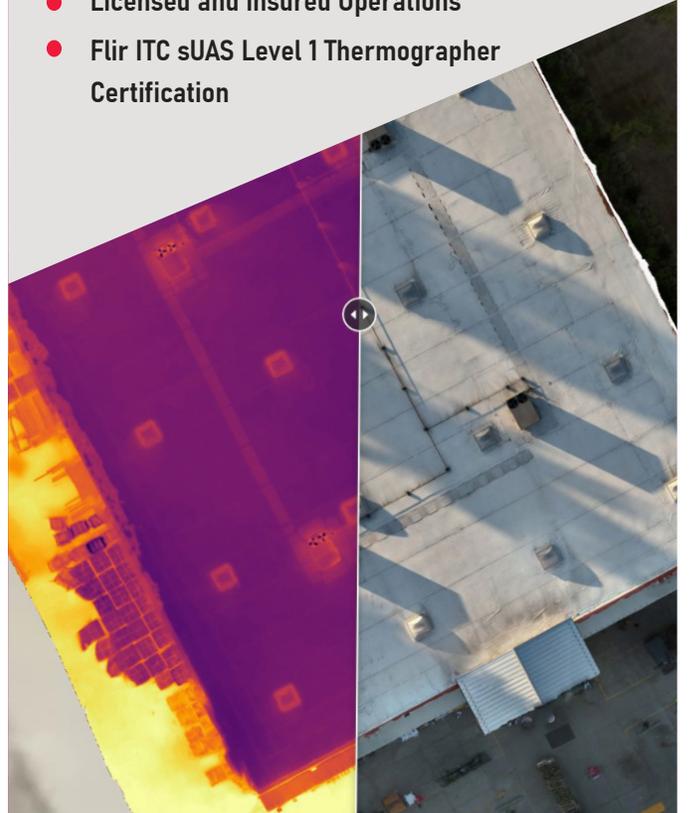


About our Company

Union Drones LLC, dba Advanced Site Mapping & Documentation, provides 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 used for existing conditions mapping, inspection, and construction progress reporting. Our operations emphasize accuracy, rapid turnaround, and consistent client 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



From As-Is to As-Built — Accurate Project Documentation at Every Phase

