

# CAPABILITY STATEMENT

Dragonfly Aerial Solutions (DAS) – Elevate Your Insight.



## Company Snapshot

Company Name: Dragonfly Aerial Solutions (DAS)  
UEI: WVWMW9B2X5E9  
CAGE/NCAGE: 139Y7  
Founded: 2024  
Headquarters: Sioux City, Iowa  
Business Type: Small Business  
Certifications: FAA Part 107, Night Ops, LAANC Waiver  
Insurance Coverage: \$1 Million Liability & Hull  
Website: dragonfly-aerial-solutions.net  
Contact: Nathaniel Beebe, CEO/Chief Pilot  
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(847) 857-9344

## Core Competencies

- Multispectral Mapping: 4-band imaging (Green, Red, Red Edge, NIR) at  $\leq 2$  cm GSD for precision agriculture and land classification.
- 3D Modeling & Point Clouds: Deliverables in LAZ, OBJ, and Revit-ready formats for digital twins, volumetrics, and design planning.
- Progress & Compliance Flights: Time-lapse comparisons and audit-ready visuals.
- Secure Data Handling: SSL-encrypted U.S.-based cloud portal with role-based access.

## Differentiators

- SingleFlight Workflow: Multispectral and RGB in one sortie, reducing time and costs.
- 48-Hour Turnaround: Image acquisition to interactive viewer delivery.
- 24-Hour Deployment: Rapid-response coverage across Iowa, Nebraska, and South Dakota.
- Compliance: OSHA-10 certified leads, preflight risk assessments, and formal safety briefings.

## Equipment & Technical Capabilities

- Airframe & Sensors: RTK GNSS precision ( $\pm 1$  cm XY); 20MP RGB and 4-band multispectral imaging.
- Software Stack: Agisoft Metashape, Pix4D Mapper, ArcGIS Pro.
- Deliverables: Orthomosaics, DTM/DEM, classified point clouds, textured meshes, shapefiles, Revit/BIM assets.

## NAICS Codes

Primary:

- 541370 - Surveying and Mapping Services

Secondary:

- 115112 - Soil Preparation, Planting, and Cultivating
- 487990 - Scenic and Sightseeing Transportation, Other
- 541360 - Geophysical Surveying and Mapping Services
- 541922 - Commercial Photography

## Product Service Codes (PSC)

Equipment & Supplies:

- 1550 – Unmanned Aircraft
- 6675 – Drafting, Surveying, and Mapping Instruments
- 6710 – Cameras, Motion Picture
- 6720 – Cameras, Still Picture

Research & Development:

- AA11 – Agriculture R&D; Basic Research

• AA12 – Agriculture R&D; Applied Research

Professional Services:

- R404 – Land Surveys (Cadastral, Non-Construction)
- T004 – Charting (Photo/Map/Print/Publication)
- T008 – Photogrammetry
- T009 – Aerial Photographic
- T014 – Topography