

# Southwest Drone and GIS Solutions

*“More than Flight, its Insight!”*

## General Capabilities Statement

### Certifications:

**FAA – Licensed Commercial Drone Operator  
El Paso Local Small Business**

### NAIC Codes:

**541370 - Surveying and Mapping**

**541511 - Custom Computer Programming Services**

**541330 - Engineering Services**

**541620 - Environmental Consulting Services**

### Contact Information:

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Southwest Drone and GIS Solutions operates with the most up to date, state-of-the-art Drone and GIS technology to offer more than just the birds eyes view. We provide usable, manipulative data that can be used in almost all industries. Through a clear understanding of project specific requirements and industry-standard best-practices, we strive to produce the most accurate and insightful information by integrating the latest of software and hardware. We are a company that collects, analyzes and delivers specialized reports based on client needs. The analytics and exploration of the collected data is where we prove that it is *“More than Flight, its Insight”*

### *What Sets us Apart?*

- Local small business
- 6 years of experience using GIS including ESRI Software Applications.
- Certified GIS professional with bachelor’s in science with major in GIS from Texas State University. BA in Business Administration from Sam Houston State.
- Annual Attendee of ESRI Web-Conferences, Webinars and Workshops.
- Follow Agile Project Management Methodology and Principles
- Efficient in Open-Source GIS software for cost effective solutions
- Currently Track Severe Weather for Major Insurance Companies in the United States and Mexico

### *How Can Our Drone and GIS Solutions Help Your Business?*

*\*Available Custom Development for Mobile, Web and Desktop Devices for all below.*

- Assessment and Pre-planning
  - Obtain precise data of existing conditions
  - Base Mapping
    - Orthomosaic (One Large Drone Photo of an Area)
    - Topographic Surveys
      - Environmental Reports and Studies
      - DEM, DSM, DTM and Surface Contour Maps
    - Surface or Terrain 3D Modeling
  - Site Modeling
    - 3D CAD (Computer Aided Design) Modeling
  - Inspecting and Measuring
    - Volumetrics – Cut and Fill
    - Distance and Volume calculations of large areas
- Monitoring/Inspecting Work Progress and Maintenance
  - Identify Defects, Issues and Potential Hazards
  - Inspections/Maintaining Completion Schedule
    - Track progress and identify potential problems or delays.
  - Surveying job site conditions for logistic planning
  - Inspections of Roof, Bridge and Infrastructure, Power Lines, Wind or Solar generators and Cell Towers
  - Visual and Thermal / Physical inspection and heat anomalies
- Marketing of Real Estate
  - Dynamic Aerial Photos and Video that will help sell lease property or units before completion.
  - Dynamic Aerial Photos and Video can be sent to existing clients and keep them aware of progress.
- Safety
  - Since drones make the collection of visual data so much cheaper, companies can use drones to do aerial surveys more often, therefore, this data can help you stay on top of changing conditions that may impact safety of a site.
  - In the case of a problem or an issue, personnel can go back and review earlier data to better understand the conditions that lead to the consequence.

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<p>Not Past Performance</p> <p>General Information: Southwest Drone and GIS Solutions can assist many of the aspects of the construction industry. Drones can more efficiently monitor, survey and perform faster better visual data collection. Drone data collections with the use of GIS (or Geographic Informational Sciences) software provides a robust capable strategy of collection and analysis. Our services are intended for all aspects of public and private infrastructure. For the purposes of this statement, Construction Capabilities will be the focus.</p>	
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