

# UAV/DRONE SERVICES

With the addition of a custom built, Eagle XF UAV to our inventory of survey equipment, Bryant can now offer clients mapping/photogrammetry services with an FAA approved Unmanned Aerial Vehicle (UAV aka drone).

The drone allows for the collection of additional data, giving you, our clients, the ability to perform deeper analysis and assessment of project sites to make more informed decisions.

## Benefits

There are many benefits of performing aerial mapping/photogrammetry by drone, including:

- **Cost-Effective:** Capture of aerial imagery that may not be economically feasible using traditional aircraft.
- **Efficiency:** Reduces time required for collection of data vs. traditional land survey techniques.
- **Integration:** Bryant's UAV capabilities integrate with our other technologies, including: conventional ground survey, RTK GPS and terrestrial LiDAR scanning.
- **Risk Reduction:** Collection of data in hazardous areas with minimal ground access, thereby reducing risks to both staff and the public.
- **Versatility:** Additional detailed data collection for preparing reports, analysis and mapping.

## UAV/Drone Specs

- Survey Grade RTK
- 3 Axis Gimbal
- Sony A7R Camera with 12MM Aspherical II Lens
- FPV Camera
- 4K HDMI Monitor/Recorder
- Anti-Collision Sensors
- 45 Minute Average Flight Time
- FAA Approved
- Designed and Manufactured in the US

## Capabilities

Aerial Mapping/Photogrammetry

## Contact

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## Certifications

Minority & Disadvantaged  
Business Enterprise  
DBE in 237110, 541990, 236220,  
541330, 237310, 237990 and 541370



# UAV/DRONE SERVICES

## Our Process

### Flight Planning

An FAA Part 107 Certified pilot and our professional land surveying team work together to plan every aspect of the project, including the flight plan.



### Flight Mission

The pre-determined flight plan is followed. Data and photography are captured.



### Data Processing/Analysis

Our knowledgeable team processes and analyzes the data captured during the mission.



### Quality Control

Quality control checks are performed ensuring required accuracies are met.



### Project Delivery

We ensure that all mapping accuracies are met and deliverables are fulfilled.



## Deliverables

As specified by our clients, we can:

- Deliver RTK centimeter-level precise mapping and photogrammetry in numerous CAD formats.
- Supplement ground data of features not captured in aerial photos.
- Overlay property lines, critical design features and construction features on photos.
- Compile a detailed image-based plan by geo-referencing aerial images.
- Compile topographic plans representing contours and elevations of ground features.

  
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