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Great Falls

1321 8th Avenue North,
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waterenvtech.com



UAV/UAS/Drone Aerial Survey

Water and Environmental Technologies (WET) is a full-service civil engineering and environmental consulting firm that offers UAV/UAS/drone aerial surveying.

Save Time & Money—Get Better Data

Water & Environmental Technologies (WET) has expanded its capabilities to include aerial survey and 3D mapping.

WET's UAVs capture aerial imagery to produce survey-grade orthomosaics and 3D models. UAV's have numerous applications for survey, GIS, agriculture, mining, environmental protection and more. Using professional photogrammetry software, WET creates 3D models down to 3/5 cm (horizontal/vertical) accuracy. WET's UAVs can also be equipped with near-infrared, red edge, multispec, and thermal payloads.

Advantages:

- Risk Reduction
- Rapid Data Acquisition (~100 acres per 30 min flight)
- Higher Data Resolution (<1in GSD)
- Lower Costs
- Unique Aerial Perspective
- Survey Inaccessible Locations
- No Interruption to Operations

Applications:

- Stockpile Surveys
- Mine Planning/Topography
- Site Development
- Engineering Design
- Landfill Topography
- Vegetation Mapping
- Stream Temperature Mapping
- Aerial Inspections
- Cultural Resources/Archaeology
- High Definition Video

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Outputs & Deliverables

WET tailors the deliverables for each project, depending on the client's needs.

Some examples include the following:

- 3D Point Cloud (las, csv, etc.)
- DTM (las, dwg, dxf, xml, etc.)
- Contours (dwg, dxf, etc.)
- Orthomosaic Image (tiff, jpg)
- Maps (pdf, hard copy)
- Vegetation Indices (tiff)
- Temperature Indices (tiff)
- HD Video (mp4, wmv, etc.)

Contact us for a free quote today! To learn more about our aerial surveying services, visit waterenvtech.com/aerial-survey.

