

# UAV / DRONE SERVICES



The addition of a **UAVs (Unmanned Aerial Vehicles)** to our Virtual Survey Solutions means we now have the capability to collect **survey grade aerial imagery and 3D terrain models** in an efficient, effective, and accurate manner. This geo-referenced data has resolutions as sharp as **1.5 cm per pixel**, providing crystal clear imagery for a variety of applications in the oil and gas, mining, and municipal sectors.



AVAILABLE IMAGERY FOR PURCHASE (40 CM)



MIDWEST SURVEYS IMAGERY COLLECTED FROM UAV (4 CM)

## APPLICATIONS

- **Oil & Gas** – Right-of-way planning, lease planning
- **Power Lines** – Right-of-way planning, convergence of vegetation
- **Telecommunications** – Right-of-way planning, obstruction analysis (line of sight)
- **Transportation** – Mapping, profiles, cross sections, cut & fill volumes, planning
- **Utilities** – Right-of-way planning
- **Environmental Monitoring** – Vegetation density, shoreline mapping
- **Forestry** – Vegetation density
- **Mining** – Volume calculations, environmental impact
- **Municipal Developments** – Grading, drainage, contours, planning, visual impact assessment

## Licensing and Safety

Midwest Surveys is fully licensed to use UAV's for commercial purposes under our blanket SFOC (Special Flight Operations Certificate) from Transport Canada dictating the safe and responsible use of the UAV. We are currently licensed and insured in Alberta, Saskatchewan, Manitoba, the Yukon and the Northwest Territories.

For a price quote or more information about our UAV services, please contact us today at [sales@midwestsurveys.com](mailto:sales@midwestsurveys.com)

## PRODUCTS

- Orthomosaic imagery
- Georeferenced imagery
- 3D point clouds
- 3D models of landscapes and/or structures
- Bare Earth Hillshades
- Contours
- Surfaces
- Distance measurements
- Area calculations
- Volume calculations
- 3D fly-through tours
- Line of sight analysis
- Feature and path extraction from imagery
- Oblique images of sites and structures
- HD still Images
- HD video of sites



*Service Beyond Boundaries*