



UNMANNED AERIAL SYSTEMS FOR PHOTOGRAMMETRY & MAPPING

CHALLENGE

- Obtaining complete coverage safely in hazardous areas
- Accessing to up to date, cost-efficient orthophotos and digital surface models
- Collecting imagery of sufficient resolution
- Turnaround times for data acquisition and delivery

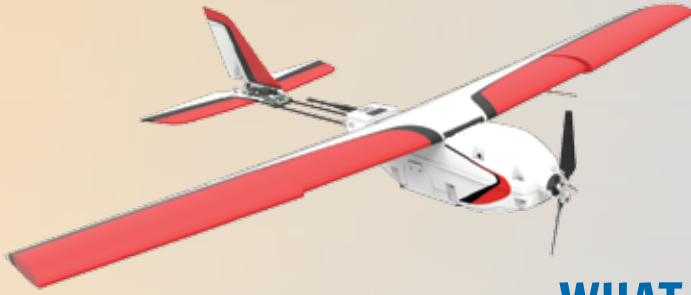
RISKS

- Operating with obsolete information
- Cost overruns
- Insufficient resolution or coverage
- Project delays

SOLUTION

Have Seisland conduct your next site or facility survey using an unmanned aerial system (UAS). We plan and conduct the survey flight, then process the collected data and can provide you with a point cloud, digital surface model and orthophotos. You can enhance the functionality of the resulting data by storing it on Seisland's online data management and mapping system, TriliGIS.

APPLICATIONS



**WHAT
WE WILL
DO FOR
YOU**

- Oil & Natural Gas Field Operations
- Pipeline Systems
- Utility Corridors and Facilities
- Agricultural Crop Surveys
- Mining
- Stockpiles
- Infrastructure
- Construction
- Environmental Management
- Hazardous Terrain
- Heritage

Seisland's trained UAS operators and digital mapping experts provide safe, accurate, efficient and comprehensive UAS services including diverse projects like calculating the volume of complex landfill sites, surveying a right-of-way or inspecting assets.

The entire UAS mission is planned to meet your needs. We communicate the mission plan with Transport Canada and Nav Canada to ensure operational compliance. Ground control is established and then the mission is flown with the required remote sensing payload. Available remote sensing technology cameras include high resolution, low distortion visual sensor and five channel multispectral sensors. Following the survey we process the data and deliver the digital files, with the option of storing your data on TriliGIS.

EQUIPMENT

Seisland's multi-rotor microdrones md4-1000 and fixed-wing PrecisionHawk Lancaster are operated under a Special Flight Operations Certificate (SFOC) covering British Columbia, Alberta, Saskatchewan and Manitoba allowing crews to mobilize and complete jobs quickly and safely.

BENEFITS

- Safety
- Cost-effectiveness
- Accuracy
- Productivity
- Versatility

Seisland has a thorough safety management system covering all facets of its operations, and is dedicated to environmental protection. We have held our Alberta Certificate of Recognition (COR) since 2003 and are ISNetworld-compliant.

HEALTH, SAFETY AND ENVIRONMENT

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