

TYPICAL DURATION:

- Varies with location and size of the project area

SERVICES STAFF LEVEL:

- Certified UAS operator



Aerial Survey & Mapping Service

Overview

Eliminate the learning curve of adopting a new technology by using Cansel to facilitate your pilot project. The aerial survey and mapping program is designed to save our customers time and money through consultation and training on their first project.

From the start our Professional Services team works with customers to understand their scope, metrics and what they would like to achieve from their project. Cansel then provides a plan, equipment, obtains the Special Flight Operations Certificate (SFOC), and will provide a qualified UAS operator on site to execute and deliver agreed deliverables.

Program details

- Consultancy and assistance in qualifying the project
- Project planning
- Obtain Special Flight Operations Certificate (SFOC)
- Detailed execution with a Certified UAS Consultant
- Data processing and production of deliverables

Program deliverables

- Digital Surface Model (DSM) – georeferenced, high-density point cloud representing the ground surface topology
- Orthophoto Mosaic – Orthophoto mosaics are created by projecting the texture of the images onto the DSM

BENEFITS:

- *Turn-key solution, allowing you to focus on providing a quality deliverable.*
- *Save time and money without the initial investment in the equipment and training.*
- *New technology, lets you offer a solution without the learning curve.*
- *Certified UAS operator on every project ensure quality and efficiency.*



ABOUT CANSEL

Cansel optimizes your workflow by providing integrated engineering software, hardware, training and post sales services. The breadth of service we offer is unique and designed to increase your turnaround time and enhance project efficiencies.

LEARN MORE

Contact the Cansel Professional Services team at info@cansel.ca or call **1.888.222.6735**

- Volume Calculations – Provide volume calculations on DTM surfaces.
- CIR Orthophoto – Orthophotos created in Composite Infrared (CIR) available as an option for vegetation mapping

Customer requirements:

Dedicate resources to work with the Cansel Professional Services Team

Each project is a team effort and will require that customer resources are provided to work along with the Cansel Professional Services Consultant. Those resources may include, but are not limited to, Operations Managers, Health and Safety Officers, Loss Prevention Officers, and other Department Managers with whom collaboration may be required.

Project details

The client needs to communicate the following details about the project:

1. Internal Project Manager and supporting personnel as required
2. Accuracy requirements
3. Desired deliverables (Ortho, DSM, Volumes)

Site details

The client needs to provide at a minimum the following details about the project site:

1. Coordinates for the maximum bounding rectangle of the site
2. Land owner contact information
3. Any safety requirements (ex.H2S)

Access to site

The client will ensure that Cansel UAS operators will be able to gain access to the site in advance for the purpose of:

1. Preliminary site survey
2. Test flight(s)
3. Layout control targets

Review of SFOC Parameters

The Special Flight Operation Certificate (SFOC) needs to be reviewed with the UAS operators prior to commencing flights. This can be done via teleconference. Additional documentation will be reviewed to ensure all guidelines are followed.

Summary

The goal of the Aerial Survey and Mapping Service is to provide you with a cost-effective, turn-key solution for small to medium size remote sensing projects, without the initial investment. A number of variables determine the level of complexity for every project, however every effort will be made to ensure success.