LiDAR

2 DAY PRACTICAL SEMINAR

VOLATUS
AEROSPACE

Overview

This two day in-person seminar introduces students to the fundamentals of aerial LiDAR data aquisition and processing. Students will learn how LiDAR systems operate and how the point clouds that they produce can be used to extract valuable information about existing site conditions.

Students will gain hands-on experience using the DJI L1 LiDAR payload, learning best practices, procedures, and quality control strategies adaptable to all drone LiDAR missions and sensors. The seminar will cover the full aerial LiDAR data collection and processing workflow, introducing students to LiDAR mission planning, sensor calibration, flight operations, quality control, and data processing.

This seminar is designed to equip students with the knowledge and skills required to produce high-quality, professional LiDAR projects adapted to a wide range of use cases.

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Course Details

Duration
Two Days (9am to 5pm)

Pre Requisites
Advanced Pilot Certificate
(or equivalent)

Locations
The course is currently delivered at locations in BC, MB, ON, QC, and PE

Pricing
$1,199 per student, plus applicable taxes.
Course discounts available with purchase of select drones and/or sensors from the Volatus Store

Schedule
Please check our website for the latest course schedule and availability in your area

Let Us Come To You...
We offer bespoke on-location training options to meet your custom needs. An ideal solution for larger groups or capacity building in specific use cases. Inquire today!

Lesson Plan

- LIDAR data collection workflow & best practices

- The characteristics of LIDAR data

- Understanding LIDAR accuracy

- Introduction to DJI Terra

- How point cloud data is processed with DJI Terra

Day 2

- Introduction to classification and how it is performed

- Understanding how to use LiDAR data to produce 3D models

- Colorizing point clouds with RGB imagery

- Project workflows & other software options

- Q&A and graduation