



THERMAL & RGB INSPECTIONS

2 DAY PRACTICAL SEMINAR



Overview

This two day in-person seminar is designed to introduce students to thermal and optical inspection principles and measurement systems for predictive maintenance applications. Students will learn how to collect high quality data, accurate temperature readings, and account for measurement effects such as distance and emissivity.

Using the DJI H20T optical and thermal camera payload, students will learn to interpret thermograms and make informed decisions with the latest in infrared inspection reporting software. Students will also learn to distinguish between hot spots and reflections, direct vs. indirect readings, and qualitative vs. quantitative thermography.

An emphasis will be placed on developing the practical skills necessary to conduct professional manual inspections on buildings and infrastructure assets like bridges, wind turbines, solar panels, and cell towers.

This seminar is designed to equip students with the knowledge and skills required to perform high-quality, professional drone inspections and analysis for 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!



- Infrared thermography fundamentals
- Emissivity, reflectance, and radiation
- Data collection methods
- DJI Thermal Analysis tool
- Infrastructure case studies
- The DJI H20T IR camera setup & operation

Day 2

- RGB inspection camera basics
- The DJI H20T wide & zoom setup & operation
- Live mission recording, spot checks & hi-res grid
- Inspection techniques - buildings, infrastructure, power lines, wind turbines & Cell Towers
- Practical inspection flight skills practice
- Inspection reports

