



Building Envelope Council Ottawa Region

Lunch and Learn Technical Seminar

Wednesday, September 25, 2024

Noon to 3:00 PM

Sala San Marco 215 Preston Street

Drone Deployment for Building Scans

RPAs (or drones) provide an accurate, safe, efficient, and new method for scanning large and hard-to-reach infrastructure. The deployment of an RPA on site is only one-half of the operation; data collection. The other (more important) half is what can be done with the captured data.

Alex and Matt from RH Precision will discuss what their firm specializes in: The effective use and deployment of RPAs (Remotely Piloted Aircraft) to conduct building scans. Topics of discussion will include information on RH Precision and its services and expertise, different types of data collection, and deliverable options for presentation of detailed information using a modern high-tech approach. Alex and Matt will then showcase some marquee projects and client deliverables.

As a prelude to the main event of drone technology, Tony Colantonio, PSPC (retired) will discuss the need for detailed building façade assessments and the process for developing modern requirements for Level 3 Building Enclosure Inspections for federal buildings, while Steve Laviolette, P. Eng. will highlight the advantages of the modern approach of drone technology versus old school binocular scans and field documentation by hand mark-ups and notes.



Alex Healy, President



Matthew Ryan, Vice President



High school friends Alex and Matt started RH Precision in 2015 with the goal of creating a low-risk and cost-effective solution to traditional means of aerial data capture. Since then, RH Precision has had the pleasure of being the go-to specialist for clients on some of Canada's most influential projects. Their diverse portfolio of projects has granted RH huge amounts of experience in challenging conditions and deliverable requirements.

We accomplish this by providing a cost-effective alternative to traditional means of data capture services for businesses operating in a wide range of industries. RH Precision has conducted flight operations for the purposes of asset and industrial inspection/management programs, surveying/mapping, building information modeling, environmental impact assessments (EIAs), as well as for branding and corporate identity development services. The team at RH Precision has provided the aforementioned services to both the public and private sectors in challenging urban and rural environments under high stress condition.