

HalfMoon Education Live Continuing Education Webinars

# The Usefulness of Drones for Civil Engineers and Land Surveyors

Online - Thursday, July 27, 2023 | 9:00 am - 4:00 pm CDT

**Credits:**

Engineers: 6.0 PDHs\*

Land Surveyors: 6.0 PDHs\*

\*no credit for NY engineers or surveyors

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### **Development of Drones as an Engineering and Land Surveying Tool**

- History of drones
- Development of drone technology and features
- Engineering and land surveying uses—current and anticipated

### **Use of Drones for Mapping and Modeling**

- Use of drones for photogrammetric surveying
- Use of LiDAR for modeling
- Equipment and software
- Interpreting and using data

### **Use of Drones for Site Assessment and Monitoring During Construction**

- Use of drones to assess construction sites
- Use of drones to develop site plans
- Use of drones to monitor construction progress, site safety and quality control

### **Use of Drones to Inspect and Maintain Buildings and Infrastructure**

- Use of drones in dangerous and/or difficult or expensive inspection scenarios
- Inspecting condition of built elements
- Infrastructure/component inspection examples

### **Use of Drones to Inspect Condition/Operation of Machinery and Equipment**

- Electric utility equipment
- Pipeline infrastructure
- Water supply and wastewater equipment
- Industrial equipment

### **Complying with Federal, State and Local Laws and Regulations**

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#### **Presented by Chuck Adams**

*CEO, IUP Aerial Drone Services, headquartered in Golden, CO*  
Mr. Adams is CEO of IUP Aerial Drone Service, which sells drones and sensors, and provides expert consultation and aerial services to a range of industries, including engineering, commercial real estate, land development, construction, insurance, forensic science, and surveying. Mr. Adams is an FAA Part 107 certified pilot and a tenured information technology and cloud industry veteran who has spent more than 25 years in the high-tech industry: the last seven in UAS, AI, and Machine Learning.

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#### **Tuition**

- \$319** for individual registration
- \$289** for two or more registrants from the same company at the same time.

**Included with your registration:** *PDF seminar manual.*

#### **Can't Attend? Order the Webinar as an On-Demand Package!**

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

## **Credit Information**

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and land surveyors in most states that allow this learning method. This course is not approved in New York; please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP0000700) and North Carolina (S-0130). HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-0130).

This course has been registered with the Florida Board of Professional Surveyors and Mappers for 6.0 CE hours. The Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects has approved this course for 6.0 PDUs for land surveyors.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

#### **On-Demand Credits**

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate.

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