

Credit Information

Drone-Based Inspection and Maintenance

This webinar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 continuing education hours to architects licensed in all states that allow non-HSW coursework.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §69.6(i)(2)). Courses approved by the AIA/CES qualify for Florida architects. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | Elective (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Administration (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event online, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Focusing on the Legal Ramifications of Drone Use for Utilities

This webinar is open to the public and offers 2.0 PDHs to professional engineers and 2.0 continuing education hours to architects licensed in all states that allow non-HSW coursework.

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Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing 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. Self-study packages do not qualify for AIA credit.

Live, Interactive Webinars

- Drone-Based Inspection and Maintenance
- Focusing on the Legal Ramifications of Drone Use for Utilities

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HalfMoon Education Inc.
PO Box 278
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Live, Interactive Webinars

Drone-Based Inspection and Maintenance

- Thursday, November 4, 2021 | 8:30 am - 4:30 pm CDT

Focusing on the Legal Ramifications of Drone Use for Utilities

- Friday, November 19, 2021 | 10:00 am - 12:00 pm CST

To register, view detailed presenter biographies,
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HalfMoon Education Live Webinars



Drone-Based Inspection and Maintenance

Thursday, November 4, 2021 | 8:30 am - 4:30 pm CDT

Credits:

Professional Engineers: 6.5 PDHs Architects: 6.5 CE Hours (non-HSW)
AIA: 6.5 LU | Elective International Code Council: .65 CEUs (Administration)

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AIA
Continuing
Education
Provider



Drone-Based Inspection and Maintenance

Thursday, November 4, 2021 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Tuition: \$289 per registrant, \$239 per registrant for three or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 CE Hours (non-HSW)
AIA: 6.5 LU| Elective International Code Council: .65 CEUs (Administration)

Agenda

Overview of Unmanned Aircraft Systems (UAS) for Inspection and Maintenance

- Types of UAS
- Benefits and drawbacks of using UAS for inspection and maintenance
- Economics of using UAS
- In-house vs. outsource UAS

UAS Regulation, Risk and Liability

- Federal and state regulation of drones
- FAA remote pilot certification
- Liability risks
- Commercial drone insurance

Types of Assets for UAS Inspections

- Review thermal drones—photogrammetry – LiDAR
- Software overview

- Inspections in 2D
- Inspections in 3D

Potential issues

- Broken part
- Cracks
- Debris
- Drainage problem
- Erosion
- Hot spot
- Incomplete work
- Leak
- Missing part
- Plan deviation
- Rust
- Safety hazard
- Stressed vegetation
- Vegetation encroachment
- Weather damage

Planning and Monitoring Flights

- Benefits
- Software
- Process
- Data analysis and use

Case Studies in UAS Inspection and Maintenance

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Focusing on the Legal Ramifications of Drone Use for Utilities

Friday, November 19, 2021 | 10:00 am - 12:00 pm CST

Tuition: \$100 per registrant

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 CE Hours (non-HSW)
AIA: 2.0 LU| Elective International Code Council: .2 CEUs (Administration)

Agenda

Legal Ramifications of Drone Use for Utilities

- Federal and state regulation of UAS and airspace
- FAA Part 107: Remote Pilot Certification
- Pilot sources and resources, hiring and training
- Evaluating contractor certifications and experience
- Liability and risk mitigation
- Commercial aviation insurance, auto policies and operational policies
- Standard operating procedures

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Webinars Presented by

Chuck Adams *1UP Aerial Drone Services, headquartered in Golden, CO*

Mr. Adams is CEO of 1UP Aerial Drone Service, which sells drones and sensors, and provides expert consultation & aerial services to a range of industries, including engineering, commercial real estate, land development, construction, insurance, forensic science, 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.

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Additional Learning

A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals

- Wed, Sept 29, 2021 | 11:00 am - 1:00 pm CDT

Focus on Slope Stability Analysis

- Thurs, Sept 30, 2021 | 11:00 am - 1:00 pm CDT

How to Implement a Construction Site Grading Plan

- Thurs, Sept 30, 2021 | 8:30 - 10:30 am CDT

Railroad Engineering and Safety Webinar Series

- Fri, Oct 1, 2021 | 8:30 am - 1:00 pm CDT
- Fri, Oct 8, 2021 | 8:30 am - 1:00 pm CDT
- Fri, Oct 15, 2021 | 8:30 am - 1:00 pm CDT
- Fri, Oct 22, 2021 | 8:30 am - 1:00 pm CDT
- Fri, Oct 29, 2021 | 8:30 am - 1:00 pm CDT
- Fri, Nov 5, 2021 | 8:30 am - 1:00 pm CDT

Suspension Bridges and Tunnels for Railroads and Highways

- Fri, Oct 1, 2021 | 1:30 - 6:00 pm CDT
- Fri, Oct 8, 2021 | 1:30 - 6:00 pm CDT
- Fri, Oct 15, 2021 | 1:30 - 6:00 pm CDT
- Fri, Oct 22, 2021 | 1:30 - 6:00 pm CDT

Soil Mechanics, Bearing Capacity and Slope Stabilization in New England

- Thurs, Oct 7, 2021 | 7:30 am - 3:30 pm CDT

Deep Dive into Means of Egress Requirements

- Tues, Oct 12, 2021 | 10:00 am - 12:00 pm CDT

How to Handle Claim Issues and Dispute Resolution for Public and Private Construction Projects

- Tues, Oct 12, 2021 | 10:00 am - 1:15 pm CDT

Focus on Drones: UAS Spotlight for Utilities

- Wed, Oct 13, 2021 | 1:00 - 3:00 pm CDT

Soil Testing, Properties and Uses

- Wed, Oct 13, 2021 | 10:00 am - 12:00 pm CDT

International Building Code 2021

- Thurs, Oct 14, 2021 | 8:00 am - 4:00 pm CDT

Advanced Healthy HVAC: Balancing First Cost, Occupant Comfort, and Safety

- Fri, Oct 15, 2021 | 8:30 am - 5:00 pm CDT

Parking Structure Design, Construction, and Maintenance

- Fri, Oct 15, 2021 | 8:00 am - 3:30 pm CDT

AIA Contract Document Workshop

- Mon, Oct 18, 2021 | 8:30 am - 4:30 pm CDT

Handling Ethical Issues in Construction Contracting

- Mon, Oct 18, 2021 | 10:00 - 11:00 am CDT

SketchUp for Building Professionals

- Tues, Oct 19, 2021 | 11:00 am - 2:45 pm CDT
- Wed, Oct 20, 2021 | 11:00 am - 2:45 pm CDT

Retaining Walls and Lateral Earth Pressure

- Wed, Oct 20, 2021 | 10:00 am - 12:00 pm CDT

Residential Structural Design

- Mon, Oct 25, 2021 | 8:30 am - 4:30 pm CDT

Whole Building Technical Commissioning

- Mon, Oct 25, 2021 | 8:30 am - 4:00 pm CDT

Effective Stormwater Infiltration

- Tues, Oct 26, 2021 | 8:30 am - 4:45 pm CDT

Handling Ethical Issues Associated with Construction Defects and Failures

- Wed, Oct 27, 2021 | 9:00 - 10:00 am CDT

Passive House: Planning, Design and Construction

- Wed, Oct 27, 2021 | 8:30 am - 4:30 pm CDT

Vegetated Green Roof Technology: Design and Construction

- Thurs, Oct 28, 2021 | 8:30 am - 4:00 pm CDT

Infrastructure: Structural Analysis and Sustainability

- Fri, Oct 29, 2021 | 1:30 - 6:00 pm CDT
- Fri, Nov 5, 2021 | 1:30 - 6:00 pm CDT

International Existing Building Code 2021

- Fri, Oct 29, 2021 | 7:30 am - 3:20 pm CDT

Shallow Foundation Design, Construction and Repair

- Mon, Nov 1, 2021 | 8:30 am - 5:00 pm CDT

Stormwater Best Management Practices

- Thurs, Nov 4, 2021 | 8:30 am - 5:00 pm CDT

How to Design a Reinforced Slope

- Wed, Nov 10, 2021 | 10:00 am - 12:00 pm CST

For more information and other online learning opportunities visit: **www.halfmoonseminars.org**