

HalfMoon Education Live Continuing Education Webinars

Drones in Construction

Online - Thursday, October 13, 2022 | 9:30 am - 4:50 pm CDT

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 non-HSW CE Hours

AIA: 6.5 LU|Elective

Landscape Architects: 6.5 HSW CE Hours

LA CES: 6.5 HSW PDHs

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AIA
Continuing
Education
Provider

Overview of Unmanned Aircraft Systems (UAS) in Construction

Uses for UAS in construction

- Mapping
- Monitor progress
- Site reconnaissance
- Improve safety

Types of UAS

Economics of using UAS

In-house vs. outsource UAS

UAS Regulation, Risk and Liability

Federal and state regulation of drones

FAA remote pilot certification

Potential liability risks

Commercial drone insurance

Construction Site Mapping with UAS

Benefits

Software

Process

Data analysis and use

Civil Engineering and Surveying

Digital twins with drones

Sewer inspection and water sample collection

Topographical image processing with AutoCAD

Volumes of excavation pits or soil/stone stockpiles

Calculating cut and fill

3D modeling

Using UAS to Monitor Progress, and Maintain Safety and Quality

Monitoring construction progress

Maintaining safety

Quality control

Post-Construction: Using UAS to Conduct Periodic Structural Inspections

High-risk inspections

UAS inspection capabilities

Case studies

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.

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 registration panel 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 offers 6.5 PDHs to professional engineers, 6.5 non-HSW continuing education hours to licensed architects, and 6.5 HSW continuing education hours to landscape architects in all states that allow this learning method. 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. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects via its registration with the Landscape Architecture Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2) and §79-1.5(i)(2)). 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 LUJ Elective (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

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).

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