

HalfMoon Education Live Continuing Education Webinars

# Drones in Construction

**Online - Monday, May 8, 2023 | 9:30 am - 4:50 pm CDT**

**Credits:**

Professional Engineers: 6.5 PDHs

Architects: 6.5 Non-HSW CE Hours\*

Landscape Architects: 6.5 CE Hours

AIA: 6.5 LU|Elective

LA CES: 6.5 HSW PDHs

\*This course is not approved for architects in New York  
and other states which require HSW coursework.

HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278

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## 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

## 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

AI for change detection

## Artificial Intelligence, Machine Learning introduction for Applications in the Construction Industry

How AI increases drone efficiency

With AI, drones can learn to interpret thermal data, identify people, and assess danger zones

## 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.

## 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 6.5 PDHs for professional engineers, 6.5 continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

*This course is not approved for architects in New York and other states which require 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).

The American Institute of Architects Continuing Education System has approved this course for 6.5 Elective LUs (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).

## 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. The following pre-approvals may be available for the on-demand format upon request:

6.5 Elective LUs (AIA)

6.5 HSW PDHs (LA CES)

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