Drone in Construction
Live, Interactive Webinar - Friday, December 11, 2020

Agenda

Presented by Mark D. Jones

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

Learning Objectives

You’ll be able to:

Describe applications for unmanned aircraft systems (UAS) or drones in construction, including site mapping, site reconnaissance, work progress monitoring, and maintenance of safety procedures.

Reference federal and state regulation of drones, discuss FAA remote pilot certification, review risks associated with drone usage, and explore commercial drone insurance.

Review software and procedures for construction site mapping, and discuss the use of UAS to maintain quality control for ongoing projects.

Use drones to conduct post-construction inspections, especially in cases that pose high risk to inspection officials.

Understanding and comply with federal unmanned aircraft regulations
Use drones for mapping, site reconnaissance, and work progress monitoring

Identify potential liability risks
Use drones to maintain construction quality and safety
Conduct periodic inspections and high-risk inspections

Continuing Education Credits

Professional Engineers
6.0 PDHs

Architects
6.0 CE Hours

AIA
6.0 LU|Elective
Additional Learning

Drone Applications for Utilities
- Mon., Nov. 23, 2020 | 10:00 am - 12:55 pm CST
- Tues., Dec. 1, 2020 | 9:30 - 10:00 am CST
- Tues., Dec. 8, 2020 | 11:00 am - 2:45 pm CST
- Wed., Dec. 9, 2020 | 10:00 am - 2:15 pm CST
- Thurs., Dec. 3, 2020 | 9:00 am – 5:00 pm CST
- Mon., Nov. 30, 2020 | 11:00 am - 2:30 pm CST
- Mon., Dec. 7, 2020 | 9:00 am - 5:00 pm CST

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ALTA Standards, Public Land Survey
- Mon., Nov. 30, 2020 | 11:00 am - 2:30 pm CST
- Tues., Dec. 1, 2020 | 11:00 am - 2:30 pm CST
- Wed., Dec. 2, 2020 | 9:30 am - 5:00 pm CST
- Boundaries and Easements
- Wed., Dec. 2, 2020 | 11:00 am - 2:30 pm CST
- Thurs., Dec. 3, 2020 | 9:30 am - 5:00 pm CST
- Structural Forensic Engineering
- Fri., Dec. 4, 2020 | 7:30 am - 3:30 pm CST
- AIA Contract Document Workshop
- Mon., Dec. 7, 2020 | 9:00 am - 5:00 pm CST

IBC International Building Code 2021
- Mon., Dec. 7, 2020 | 8:30 am - 9:40 pm CST
- Stormwater Basins and Underground Systems
- Tues., Dec. 8, 2020 | 10:00 am - 1:45 pm CST
- Wed., Dec. 9, 2020 | 10:00 am - 3:15 pm CST
- Soil Mechanics and Slope Stabilization, Failures and Repairs
- Tues., Dec. 8, 2020 | 10:00 am - 1:45 pm CST
- Wed., Dec. 9, 2020 | 10:00 am - 2:45 pm CST
- SketchUp for Building Professionals
- Tues., Dec. 8, 2020 | 10:00 am - 2:45 pm CST
- Wed., Dec. 9, 2020 | 10:00 am - 2:45 pm CST
- Construction Cost Estimating
- Wed., Dec. 9, 2020 | 8:30 am - 3:50 pm CST

Continuing Education Credit Information
This webinar offers 6.0 PDHs to professional engineers licensed in all states and 6.0 continuing education hours to architects (not HSW) in all states except for those that only accept architect HSW coursework.

Tuition
$299 for individual registration
$199 for three or more registrants from the same company at the same time.

To register, please visit our website or call customer service at 715-835-5900.