

OCTOBER 2024 MEETING ANNOUNCEMENT

This month we will be hearing from:

Ryan Marlow

Title:

Deployment of Drone-in-a-Box Systems for Infrastructure Inspections



Ryan Marlow, CMS is the Uncrewed Aircraft Systems (UAS) Coordinator for Alaska Department of Transportation & Public Facilities, and works closely with federal, state, tribal and municipal agencies on the safe integration and advancement of UAS and remote sensing technologies throughout Alaska. Ryan has operated remote aircraft since 2014, enabling public and private entities a streamlined approach to aerial data collection and rapid response. Ryan began working with unmanned platforms over a decade ago and has continued to pioneer to this day with software automation, long range communications, weather resistance, policy for enabling beyond visual line of sight operations and Counter UAS. Ryan is a Certified Mapping Scientist for UAS and his experience includes unmanned photogrammetry, LiDAR, GIS, Emergency response, critical infrastructure inspections.

Hear from the Alaska Department of Transportation & Public Facilities about their experience gaining the necessary regulatory approvals to fly beyond visual line of sight (BVLOS) drone-in-a-box missions and their experience deploying these systems in the field. The session will focus on outlining each organization's approach to deploying drone-in-a-box systems across their organization and the lessons they have learned using these systems in real-world operational environments. Session attendees will walk away with a practical understanding of how drone-in-a-box systems can, and how they are, being deployed for infrastructure inspection use cases with some considerations of how to get there from a regulatory perspective.

WHEN: October 9, 2024 1200 - 1300
WHERE: Mat-Su College, Room JKB 128
LUNCH: \$10 for PIZZA*

*Bring a friend who hasn't attended within the past six months and lunch for you and your guest are on ASCE.