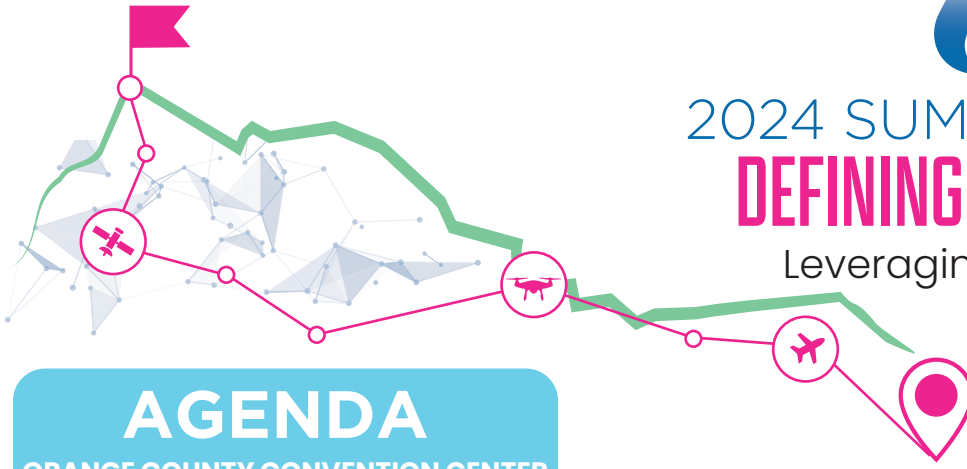


# 2024 SUMMIT • ORLANDO, FL

## DEFINING THE PATH FORWARD

Leveraging Imagery & Inspection for Utilities







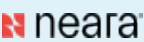


### AGENDA

ORANGE COUNTY CONVENTION CENTER  
• WEST BUILDING • ROOM W311CD

IN CONJUNCTION WITH

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FEB. 26	SPONSOR	TOPIC	DESCRIPTION	SPEAKERS
7:00 - 7:45 AM		Breakfast		
7:45 - 9:15 AM		KEYNOTE	Kicking off our Summit is the Keynote Speaker, Amelia Earhart, a single-engine aircraft pilot who flew around the world and is President of Fly With Amelia Foundation. As a boundary-pushing around the world pilot, Amelia Rose Earhart knows exactly what it takes to venture into uncharted territory - with confidence.	• Amelia Rose Earhart
9:30 - 10:15 AM		Exelon Drone Inspection: Automation and AI Journey	The session will focus on the groundwork for future automated drone inspections at Exelon. The work promises improvements in safety, cost-efficiency, and system resiliency. The study aligns with customer satisfaction goals by potentially leading to customer savings and increased satisfaction due to improved system reliability and resiliency.	• Ankush Agarwal, Exelon • Vladyslav Anderson, Exelon
10:30 - 11:15 AM		The Early Adoption of Drones for Imaging at OUC & Dominion	Dominion Energy and Orlando Utilities Commission (OUC) are exploring the use of drone technologies to support utility operations. Dominion Energy will share the reasons behind beginning their journey toward establishing an imagery and analytics program. They share lessons learned, key decision-making moments and several of the use case scenarios they are exploring where imagery may enhance asset management strategies and pave the way toward a more optimized and reliable grid. OUC will provide perspectives from an early-stage drone adopter and describe some challenges encountered.	• Paul Brooker, Orlando Utilities Commission • Kate Coker, Dominion Energy
11:30 AM - 12:15 PM	  	Improving Accuracy of GIS Data Using High Quality Aerial Imagery & AI/ Machine Learning	Managing the spatial accuracy of asset (GIS) data is a major challenge to utilities as the existing methods of improvement are manual, time-consuming, and expensive, making it difficult for organizations to make the necessary updates. AI/ML tools such as computer vision and deep neural networks can be used to automate the process of identifying asset locations and correcting GIS data. Duke Energy is utilizing high quality aerial imagery as the source data foundational to these techniques and the AWS (Amazon) platform to power the AI/ML models.	• Amit Sinha, Locana • Luke Westfahl, Locana • Monica Brandeis, Locana • Scott Waldmann, Duke Energy Florida • Jack Gardner, PWC
12:15 - 1:15 PM		Lunch		
1:15 - 2:00 PM		Advanced Vegetation Management Utilizing Satellite and Lidar Image Analytics	Imagery serves a critical role in vegetation management; in this presentation we take a look at how PPL is taking a comprehensive approach to vegetation management through satellite imagery and lidar collection. We look at how building a detailed view of the network serve as a building block for valuable derivative products.	• Ben Spanswick, PPL
2:15 - 3:00 PM		Intelligent Image Processing (IIP)	Intelligent Image Processing (IIP) is a Human + Machine partnership leveraging imagery and artificial intelligence (AI) in the cloud. IIP's capabilities allow SDG&E to assess millions of high-quality images of our utility assets taken from drones, mobile devices and fleet vehicles in the field. During this session, we will discuss our overall inspection program, what we're doing with this emerging technology, how we are doing it and why we are using it, including support for wildfire mitigation, communications attachment identification, developing risk-informed inspection models, compliance with new regulatory requirements and more.	• Jennifer Kaminsky, SDG&E
3:15 - 4:00 PM		Part One: AEIC / UIIC Advancing Imagery	AEIC / UIIC - Advancing imagery. Hear from AEIC, UIIC, and Neara on how drone engineering, AI modeling, and imagery are all advancing. Learn how UIIC and AEIC are laying the groundwork for the journey ahead and the critical partnerships in the I&I space. Beginning steps all the way through analytics.	• Stan McHann • Po-Chen Chen, Exelon • Josh Power, Oncor • Will Farmer, Dominion • Robert Brook, Neara • Doug Dorr, EPRI moderator
4:15 - 5:00 PM		Part Two: AEIC / UIIC Advancing Imagery		
5:00 - 7:00 PM		Happy Hour with GridTech Connect	<a href="https://www.gridtechconnect.com/southeast/south-east-event-schedule">https://www.gridtechconnect.com/southeast/south-east-event-schedule</a>	Room W109B

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