

# CTIA Smart Cities Quarterly Meeting

## Washington, D.C. | December 2023

CTIA welcomed the Smart Cities Working Group to their offices in the nation's capitol, Washington, D.C. Deloitte kicked off Field Trip Day with a tour of their Innovation and 5G Labs, and Axis Communications provided a tour of their Experience Center. Day 1 concluded with a special tour of the U.S. Capitol, led by a memorable tour guide. Afterwards, members gathered for a celebratory dinner at the CTIA office located down the street from the White House.



*CTIA Smart Cities Working group in front of the U.S. Capitol.*

Day 2 Workshop activities focused on the launch of our first smart cities certification program, IoT Network Certified for Smart Connected Infrastructure™, and the publication of the utilities IoT device test plan in early 2024. We welcomed local deployment speakers from Dominion Energy and Flashnet and closed with a city speaker session from The District Department of Transportation (DDOT).

### Day One – Field Trip Day

Located in Rosslyn, Virginia, the Deloitte Applied Science & Engineering Innovation Lab immersed our Smart Cities members in an environment meant for learning and shaping future technologies.

Among the use cases presented, a smart water meter with IoT sensors stood out as a current project underway with federal agencies. Afterwards, members toured the 4G/5G Lab. Here, they demoed use cases including Cyber IoT, Augmented Reality (AR) and Virtual Reality (VR), robotics, and Ultra High Definition (UHD) video surveillance. Led by Julian Beverly, Deloitte Customer Experience Team, and Brian Greenberg, Principal, these tours provided deep insights into the future of technology.



*Michelle James, CTIA, at the Deloitte Rosslyn, VA office.*

## Day One – Field Trip Day, Continued...



Top to Bottom: Keshia Hasty, Dominion Energy; [on right] Julian Beverly, Deloitte, speaking at Innovation Lab tour; Pete Wareham, NoTraffic

Around the corner, our members visited the Axis Communications Experience Center where Quentin Black, Field Sales Engineer, greeted us. The Experience Center focused on the security innovations enabled by Artificial Intelligence (AI). One example was their wireless-enabled cameras with capabilities of proximity detection, air quality alerts, object detection, and high-resolution video capabilities. 5G technology is expected to enhance their offerings and the future of securing smart city infrastructure.

The final field trip took our members directly to the Capitol itself. Led by an impressive guide, we heard detailed accounts regarding the history of rooms, paintings, areas of the building, and the artifacts held within.

As part of a year-end celebration, members were shuttled back to the CTIA office where we held a private dinner. A slide show played photos from over the years, and our group chatted over appetizers. The dinner service was kicked off by Michelle James, VP of Strategic Industry Programs, and Bob Borzillo, President of Sustainable Urban Strategies, thanking members for their participation and for making the Smart Cities Program a success. We've collaborated, grown, and look ahead to 2024 towards the launch of our first smart cities certification program. We have a lot to be grateful for, and our members are the cornerstone of that success. They thanked members for giving us the drive and purpose needed to make a positive difference in the smart cities space.

## Day Two – Smart Cities Workshop

Mark Sargent, VP of Certification Programs, joined Michelle as they led members through the status of the IoT Network Certified for Smart Connected Infrastructure™ certification program. They provided the background of the role CTIA plays in certification and described the partnership with Ericsson who will help launch the utility IoT device testing at their 4G/5G Utilities Center for Excellence lab in 2024. Michelle detailed our first public workshop for this program that will be held at DISTRIBUTECH International® in Orlando on February 29.

Local deployment spotlights were highlighted next. Kate Staples, Director of Electrification at Dominion Energy, shared their new project with Dulles Airport. Known as the largest renewable energy project of its kind, this deployment is unique as many of the permitting and infrastructure needs were already in place, accelerating the launch of the project. Upon completion, the Dulles Renewable Energy Project will generate up to 100 megawatts of solar energy and store up to 50 MW of power.

Andrei Marin, Technical Sales Manager at Flashnet, shared their D.C. Smart Streetlamp Project with The District Department of Transportation (DDOT). This project utilizes cellular networks to provide the connectivity needed to track energy usage while supplying WiFi access. LED upgrades help the city lower carbon emissions by reducing energy usage, which the city can track as they measure their success and inch closer to their goals.



Top to Bottom: [from left to right] Jose Pulido, Badger Meter, Scott Wales, Burns & McDonnell, Steve Linke, Quectel; [from left to right] Amanda Dixon, Itron, Scott McCarley, Signify, Keith Tyson, TerraGo; Axis Communications Experience Center rooftop.



Left to Right: Keshia Hasty and Michelle James during the Capitol tour; Julia Gilstrap, Ericsson; Charlie Nobles, Ubiqquia, with Tom Sawanobori, CTIA.

## Day Two – Smart Cities Workshop, Continued....

The DDOT spoke next with the technical support lead, Devon Smith, providing his perspective on the D.C. Smart Streetlight Project. Devon shared the estimated versus actual energy savings to-date and how the accuracy of the measurements was achieved. Using Flashnet’s Centralized Management System (CMS) to report on street light outages, they can repair broken, inoperable streetlights more efficiently, increasing safety and customer satisfaction.

The Smart Cities Workshop concluded with leadership announcements and goal setting. The 2024 chairs will address members during the first calls of the year in January and February, with our first in-person meeting taking place at DISTRIBUTECH International® in late-February. Goals of the group and prioritized topic areas will be discussed and agreed upon during the first few working group calls, but program leaders are looking towards the launch of the IoT Network Certified for Smart Connected Infrastructure™ program and onramps for similar IoT device testing in the verticals of transportation, public services, safety, buildings, and education.

## Upcoming Activities

The 2024 in-person smart cities meeting are tentatively scheduled for:

- Q1** Orlando, FL at DISTRIBUTECH International®  
*February 29 CTIA Smart Utilities Workshop*
- Q2** Raleigh, NC at Smart Cities Connect  
*May 8-10*
- Q3** Kansas City, KS (August)
- Q4** St. Peterburg, FL (late-October)

Interested in hosting? Share your thoughts on Town Square at [smartcities.ctia.org](https://smartcities.ctia.org).



Flashnet team, Andrei Marin and Alexandru Buzatu, with Mike Gundling, TerraGo Technologies (center).