

WEBINAR 02 — ATTENDEE RESOURCE GUIDE

From Point Clouds to Municipal Digital Twins

Capturing the City — 3D Reality Data for Local Government

Capturing data is only the beginning. The real value comes from transforming that information into something local-government teams can use every day. This session examines how point clouds, imagery and 3D models can support digital twins of municipal buildings, facilities, public spaces and infrastructure.

60 minutes · 2026 dates to be announced · Live audience Q&A

Use this guide before, during and after the session: read the summary, follow the agenda, take notes in the space provided and bring your questions to the live Q&A.

SESSION SUMMARY

From Point Clouds to Municipal Digital Twins

Capturing data is only the beginning. The real value comes from transforming that information into something local-government teams can use every day. This session examines how point clouds, imagery and 3D models can support digital twins of municipal buildings, facilities, public spaces and infrastructure.

Speakers will discuss how reality-capture data connects with GIS, CAD, BIM and asset-management systems — supporting renovation planning, facilities management, remote inspection and long-term asset stewardship.

Key topics covered

- Moving from point clouds to usable information
- Creating digital twins of municipal assets
- Connecting 3D data with GIS, CAD and BIM
- Supporting facilities planning and maintenance
- Improving collaboration between departments and contractors

What you should leave with

- The practical difference between a point cloud, a 3D model and a digital twin
- How to choose a level of detail that matches the decisions the twin must support
- How reality data flows into GIS, CAD, BIM and asset-management platforms
- How to keep a twin current instead of letting it go stale after handover

Who this session is for

Public works directors, city and county engineers, GIS directors and managers, survey and mapping teams, transportation departments, facilities and asset managers, capital projects teams, police and fire departments, emergency management, and water and wastewater utilities.

AGENDA

How the hour is structured

Timings are approximate. The session runs 60 minutes with live Q&A in the final segment.

TIME	SEGMENT	LED BY
0:00 – 0:05	Welcome & series introduction	ConnectMii Events
0:05 – 0:15	Framing the problem: the local-government context	Moderator
0:15 – 0:35	Technology session: reality capture in practice	FARO
0:35 – 0:50	Practitioner case study from a public agency	Guest speaker
0:50 – 0:58	Live audience Q&A	All speakers
0:58 – 1:00	Wrap-up, resources & next session	Moderator

Pre-session checklist

Review these before the session so the discussion lands on your own situation. Tick what your agency can already defend with evidence.

- ☐ We know which systems of record the twin must feed
- ☐ We have defined level of detail and level of accuracy per asset
- ☐ Ownership and update cadence are assigned to a named team
- ☐ Contractors are contractually required to return as-built reality data
- ☐ Staff have viewer access without specialist software

SPEAKERS

Who you will hear from

The full speaker line-up for this session is confirmed ahead of the event date. Registered attendees receive bios and affiliations by email.

FARO TECHNOLOGY SPECIALIST

Speaker to be announced

A FARO reality-capture specialist will walk through the hardware, software and field workflows behind the session topic, with real project examples drawn from public-sector deployments across North America.

PUBLIC AGENCY PRACTITIONER

Speaker to be announced

A practitioner from a city, county or public agency shares how their team put 3D reality data to work — what they captured, what it cost, what changed, and what they would do differently.

SESSION MODERATOR

ConnectMii Events

ConnectMii Events produces the Capturing the City series and moderates each session, keeping the discussion practical and focused on the needs of local-government teams.

NOTES

Your notes

Capture what applies to your agency: assets, workflows, costs, blockers and next steps.

Key points from the session

Ideas that apply to my agency

NOTES

Actions and follow-ups

ACTION	OWNER	BY WHEN

Resources or contacts to request

LIVE Q&A

Prepare your questions

The session closes with live audience Q&A. The most useful questions name a specific asset, department, budget constraint or workflow you are dealing with. Draft yours below and submit them in the Q&A panel during the session.

Prompts to get you started

- Which building or facility would justify a digital twin first?
- What decisions do we make today with drawings that are out of date?
- How would we keep the twin current after year one?

My questions for the panel

Question 1

Question 2

Question 3

Question 4

Didn't get your question answered live? Email it to info@connectmiievents.com and the team will follow up after the session.