

WEBINAR 01 — ATTENDEE RESOURCE GUIDE

Building the Operational Digital Twin

Connecting Places, Assets and Operations

A Digital Twin is far more than a 3D model of a city. It is a living operational environment that connects the physical world with the information needed to manage it. This session introduces the principles of Operational Digital Twins and explains how GIS becomes the foundation for integrating data from across government.

60 minutes · 2026/27 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

Building the Operational Digital Twin

Connecting Places, Assets and Operations

A Digital Twin is far more than a 3D model of a city. It is a living operational environment that connects the physical world with the information needed to manage it. This session introduces the principles of Operational Digital Twins and explains how GIS becomes the foundation for integrating data from across government.

Speakers will discuss how a shared operational picture is assembled from existing systems of record — GIS, permits, work orders, inspections and field operations — and how to sequence the work so value arrives early rather than at the end of a multi-year program.

Key topics covered

- What defines an Operational Digital Twin
- Building a shared operational picture
- Connecting GIS with enterprise data
- Creating a block-by-block view of community conditions
- Moving from maps to operational intelligence

What you should leave with

- Understand what an Operational Digital Twin really is
- Learn why GIS provides the foundation
- Identify the core datasets required
- Develop a roadmap for getting started

Who this session is for

City and county managers, GIS directors, innovation officers, CIOs and CTOs, public works directors, engineering managers and planning leaders.

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: the topic in practice	Technology partner
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 an authoritative GIS basemap and asset inventory
- ☐ Ownership and update cadence are assigned to a named team
- ☐ Departments agree on a common set of place identifiers
- ☐ 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.

TECHNOLOGY SPECIALIST

Speaker to be announced

A technology specialist walks through the platforms, data and 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 this to work — what they built, what it cost, what changed, and what they would do differently.

SESSION MODERATOR

ConnectMii Events

ConnectMii Events produces the Operational Digital Twins 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 department would benefit first from a shared operational picture?
- What decisions do we make today with data that is out of date?
- Who would own the twin and keep it 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.