

#FABCONSQLCON2026

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Microsoft Fabric  
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ATLANTA MARCH 16 - 20, 2026



# Fabric RTI and Foundry Agents in Sustainable Supply Chain Management

Presented By:

- Manisha Jha, Microsoft
- Prasanth Tammiraju, Quadrant Technologies



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## Our Speakers



**Prasanth Tammiraju**  
(Quadrant)



**Manisha Jha**  
(Microsoft)



# Real-Time Intelligence **Powers AI** and is **Powered by AI**



# Real-Time Intelligence in Microsoft Fabric

Connectors

Stream

Analyze

Model

Visualize

Decide & Act

Fabric Platform

Copilot

OneLake

Real-Time Hub

Governance



# Real-Time Intelligence in Microsoft Fabric



Stream



Connectors



Eventstream



Event Schema Set



Analyze



Eventhouse



Anomaly Detector



Model



Map



Graph



Digital Twin Builder



Visualize



KQL Queryset



Graph Queryset



Real-Time Dashboard



Decide & Act



Activator



Operations Agent



Actions

# Connected Factory

# Ingest & process

1. Over 1M/1Hr IIoT events, 30K Tags, from 40 factories are streamed in real time with sub second latency.
2. Contextualization data on the IIOT devices is collected from OPCUA library daily via MQTT.
3. Factory inventory, shift details, component cost, etc. is synced to OneLake via Data Factory for data enrichment and contextualization.

## Analyze & transform

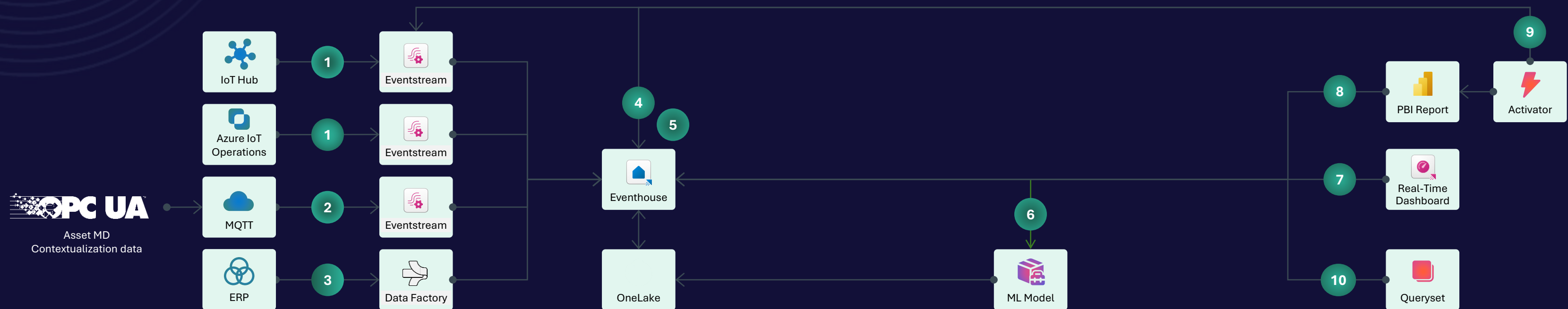
4. IIoT events are enriched in-motion with the asset meta data and asset hierarchy, providing clean and curated data for consumption.
5. Enriched data is aggregated with hourly and daily views per station and factory.

# Train

6. Build, train and score ML models in real time, persisting the scored data in OneLake.

## Analyze & transform

7. Real time dashboard of all factories with ability to easily drill down from all factories view to a single asset details.
8. Rich BI reports with detailed views on factories production, efficiency and maintenance.
9. Notify on site techs in response to live indications from the factory floor.
10. Use rich KQL queries for fast, direct, ad-hoc analytics.



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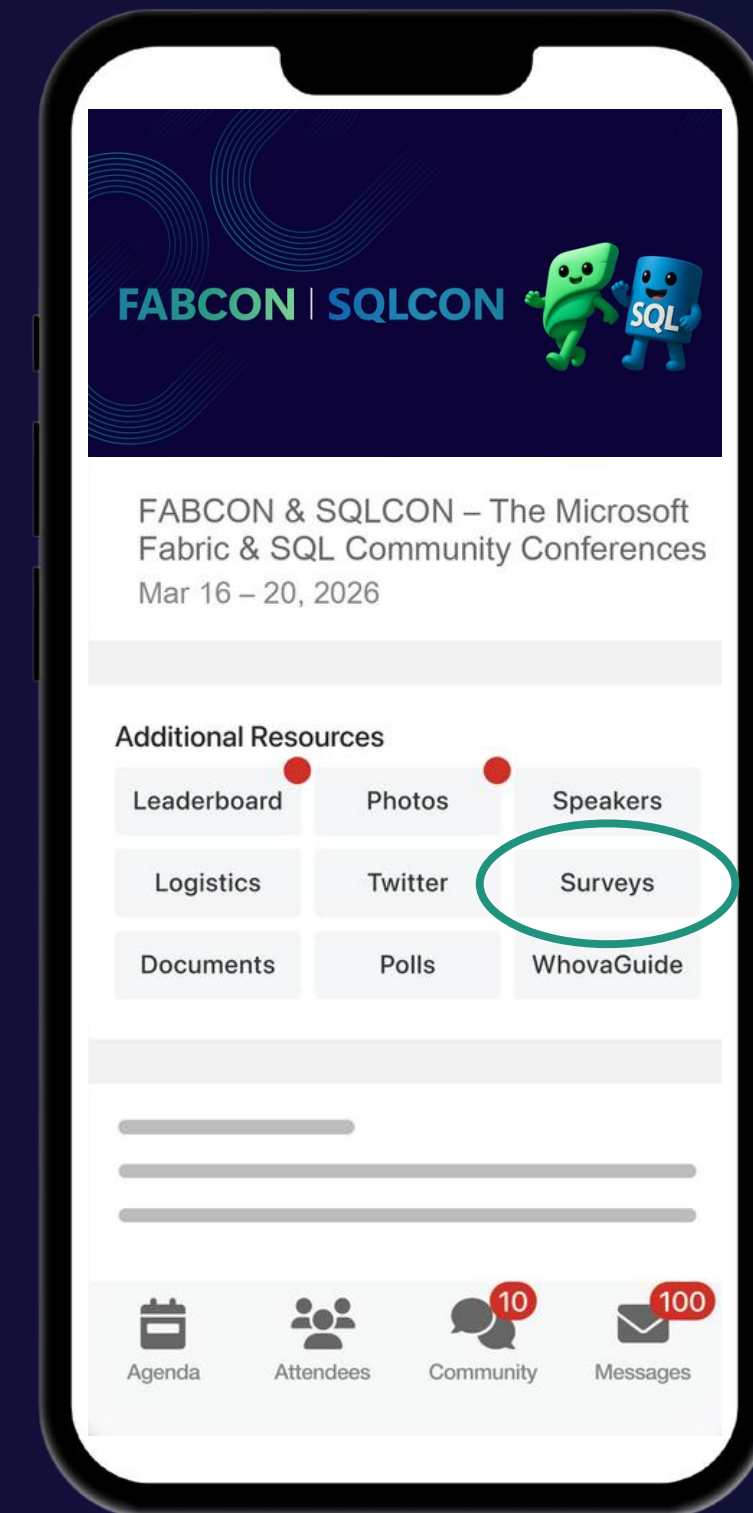
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