



Powering Intelligent **Data centers** With a Data-Driven Backbone.

Webinar



Speakers



Kudzai Manditereza
Sr. Industry Solutions Advocate
- HiveMQ



Ryan Crossover
Director of Digital Plant -
Vertech



Agenda

- 1 Key Operational Challenges
- 2 Data Center Optimization Solutions
- 3 Data Maturity Path to Intelligence
- 4 Reference Architecture & Customer Projects
- 5 Rollout Playbook & Customer Projects
- 6 Q&A

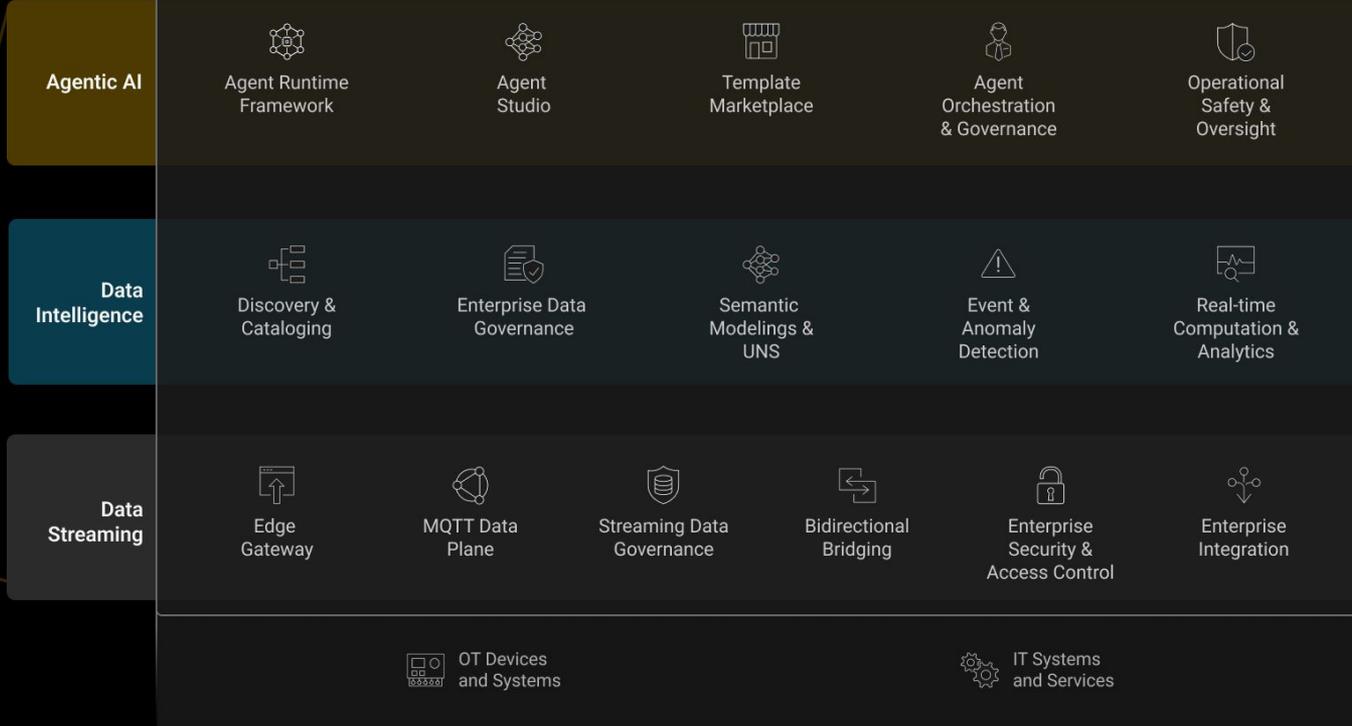


Data Maturity Path **For Data Center** Operational Excellence





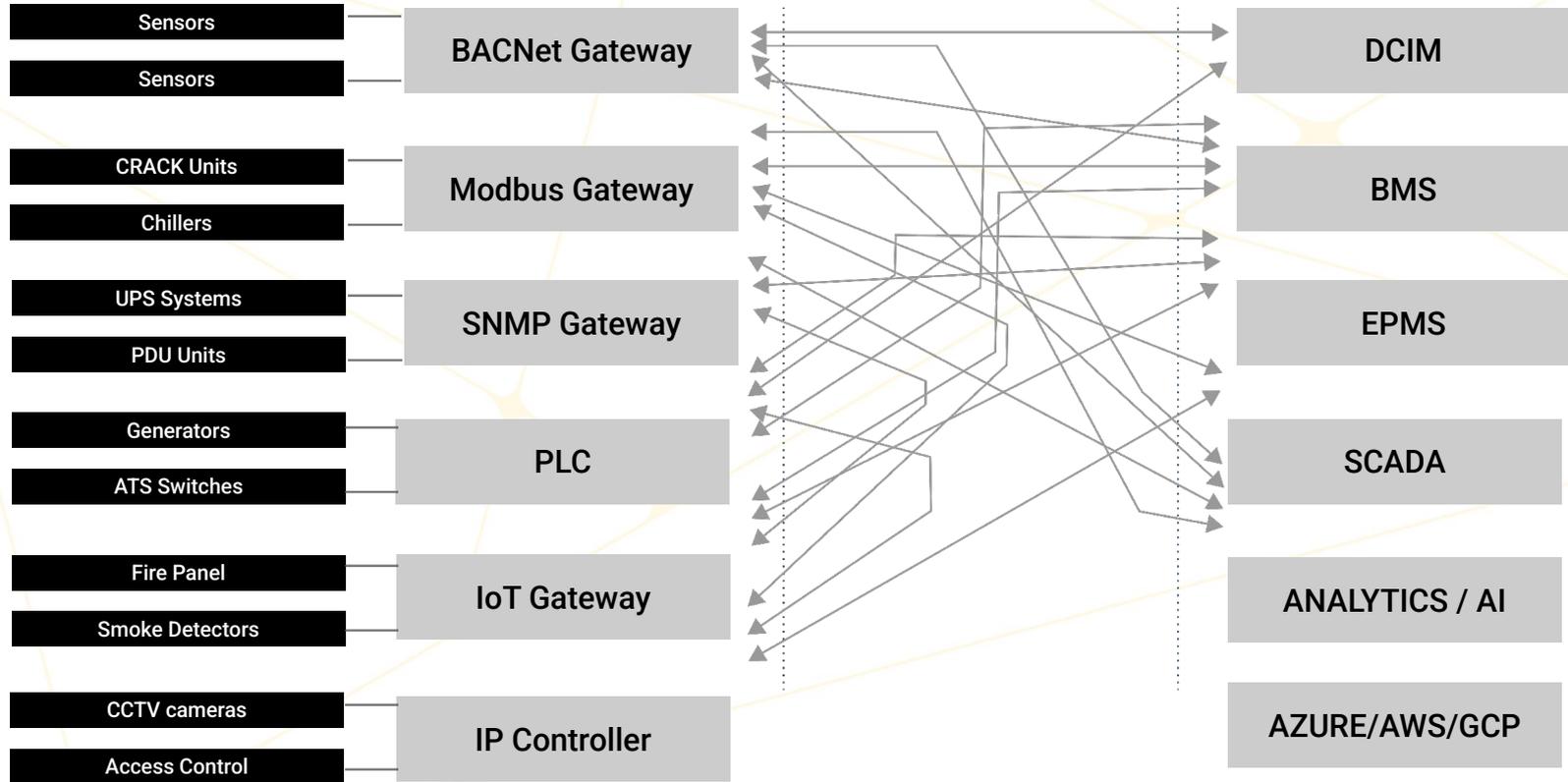
HIVEMQ



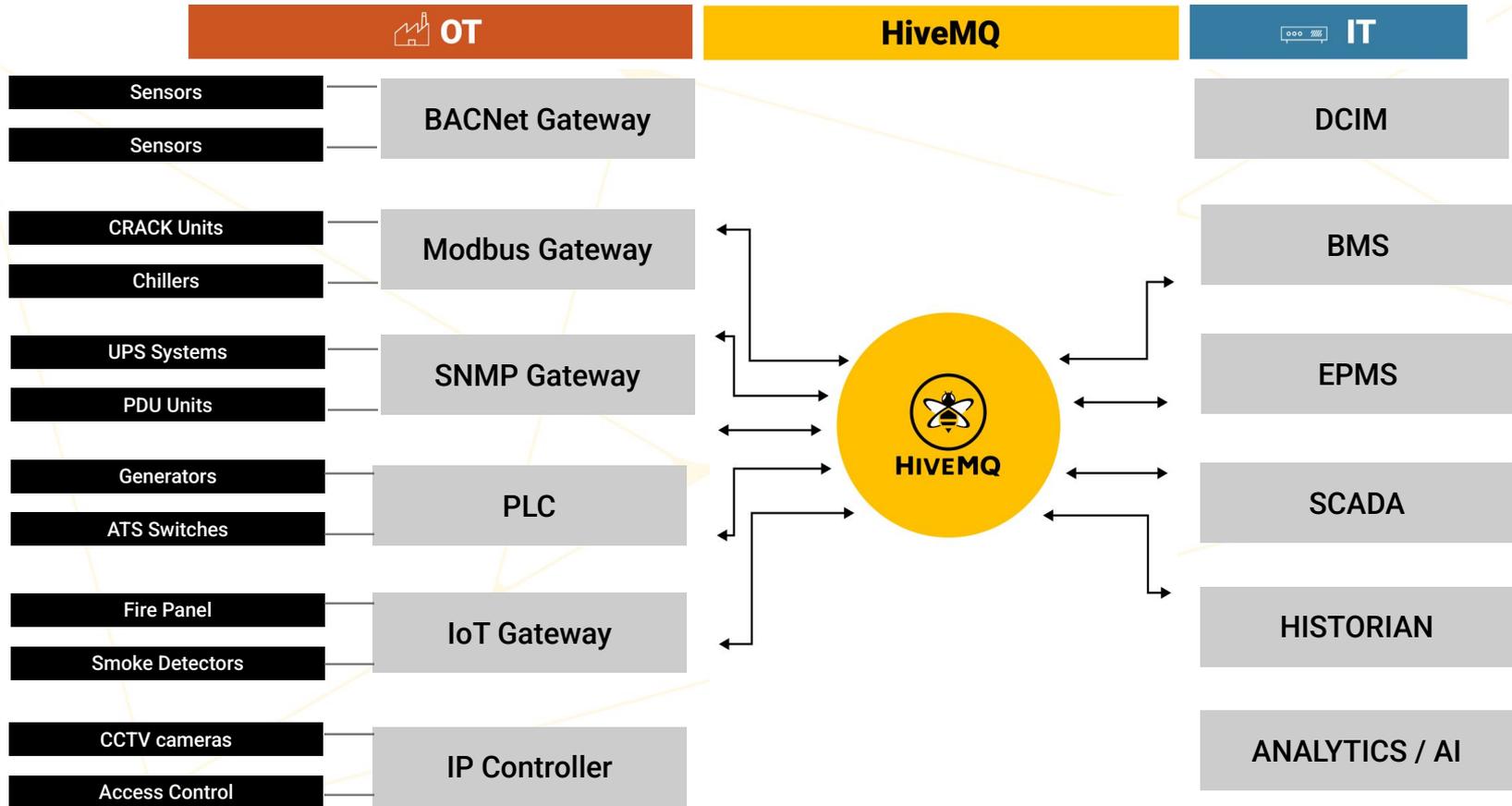
Connect | Contextualize | Analyze | Act



Traditional Data Center Integration



Future-Proof Data Center Architecture

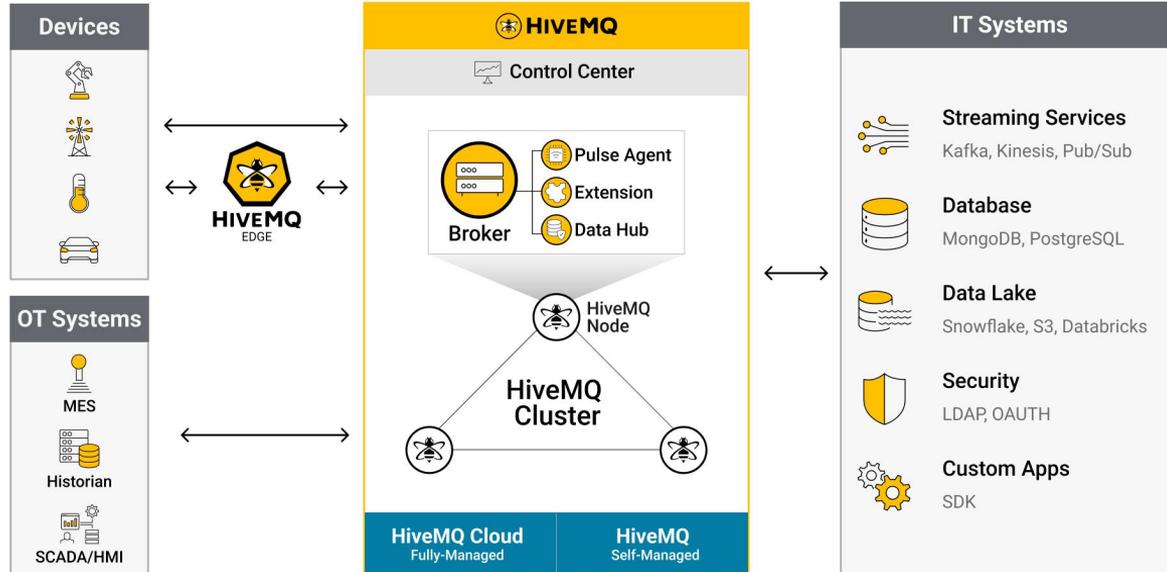


Data Streaming with HiveMQ



Data Intelligence

HiveMQ Pulse (Distributed Data Intelligence)



Data Driven Backbone

Create a scalable, reliable data backbone with an event-driven MQTT architecture. Easily build a secure foundation for high-performance messaging to future-proof your enterprise.

Integrate IT/OT

Seamlessly connect OT devices with IT systems for full visibility and interoperability. Ensure flexible deployment from edge to cloud for complete operational awareness and control.

AI-Ready Data and Distributed Intelligence

Maximize the impact of your data by ensuring it is AI-ready. Gain trusted, real-time access to high-quality, governed data for smarter decisions, faster insights, and streamlined operations

Data Center Customers

Customer 1

Use Case: Resiliency through real-time sharing of IT & OT data. As a colocation provider they rely on MQTT/HiveMQ to monitor fuel on backup diesel tanks and share it with customers.

Customer 2

Use Case: Data Center health through HiveMQ reliability. Collecting data on electrical + mechanical telemetry, power voltage, air-flow, chillers and main switchboards.

Customer 3

Use Case: Enhancing power grid efficiency by leveraging HiveMQ as the backbone to power their Service Delivery Platform.



Data Center

Real-Time Monitoring

Customer uses HiveMQ to power its Service Delivery Platform, giving their customers **real-time visibility** into data center operations while improving **grid and supply chain resilience**.

5x

Faster Data Delivery

By moving from 15-minute polling to real-time updates

1.8B

Messages/Day

Pushed from a single site for real-time telemetry and AI-driven insights

70%

Fewer Outages

Predicted and prevented using real-time analytics and machine learning

Demo Stories



Q & A; Next Steps

