# AVEVAWORLD

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APRIL 9, 2025

# Easily deploy AVEVA™ Adapters to collect remote data

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**AVEVA WORLD 2025** 

# Agenda

Easily deploy AVEVA Adapters to collect remote data

Moscone West Center San Francisco Hybrid data infrastructure

AVEVA Adapters and AVEVA Edge Management

Deploying an AVEVA Adapter remotely

Health & configuration management

Expanding deployments with ease

Demo

Key Takeaways

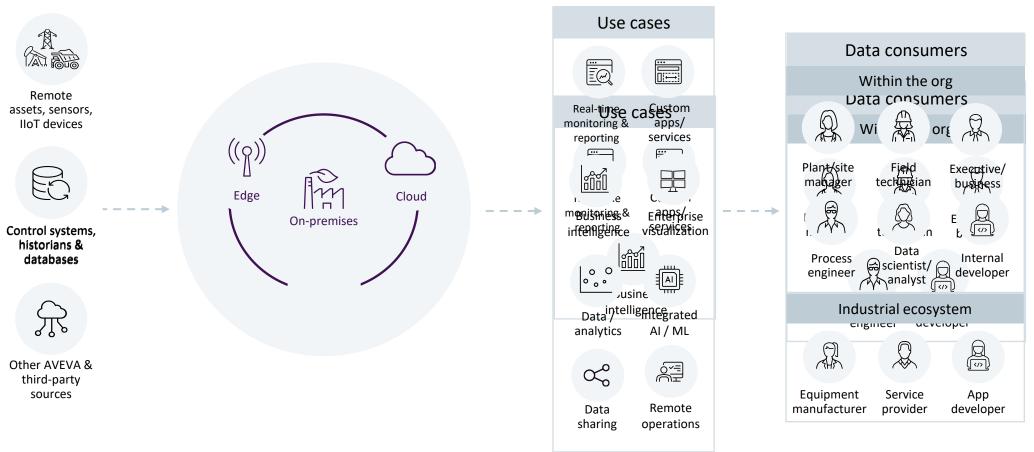


# Hybrid data infrastructure



## Supporting evolving data needs

Flexibility needed in today's connected, data-driven industry



## Remote operations monitoring use case

Realize the full potential of AVEVA Edge Management Use cases Æ, ((g))AVEVA Edge Management Within your org **AVEVA Adapters** Remote Enterprise CONVECT operations visualization data services 。。 Plant/site Field Executive/ **AVEVA Edge** technician manager business Data Store Data / Integrated analytics AI / ML CONNECT to PI Data **Process** Internal Agent scientist/ developer engineer analyst Real-time **Business** Industrial ecosystem monitoring & intelligence PI to CONNECT reporting Agent  $\propto^{\circ}$ <u>1</u>27. Equipment PI Connectors Service App Data Custom manufacturer provider developer sharing apps/ **AVEVA** services PI Server

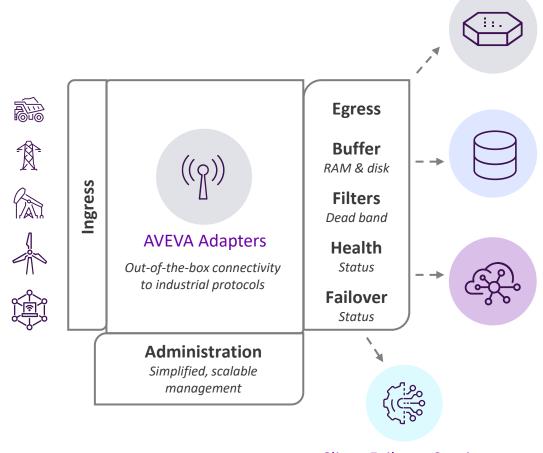


PI Interfaces

# AVEVA Adapters and AVEVA Edge Management



Extending real-time data connectivity to the industrial edge



Client Failover Service

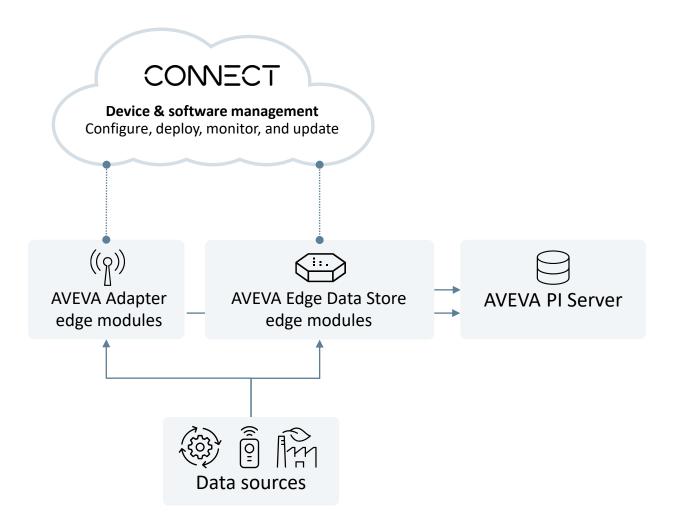
#### **AVEVA Adapters**

- Lightweight, robust, real-time data collection
- No-code connectivity to common industrial protocols\*
- Health and diagnostics data for monitoring and troubleshooting
- Maximize uptime with client-side and server-side failover
- Multiple data destinations
- Run on Windows and Linux devices or in Docker containers
- Centralized, remote installation, configuration, and management



<sup>\*</sup> Azure Event Hubs, BACnet, DNP3, Modbus TCP, MQTT, OPC UA, RDBMS, Structured Data Files

## Managing your devices remotely

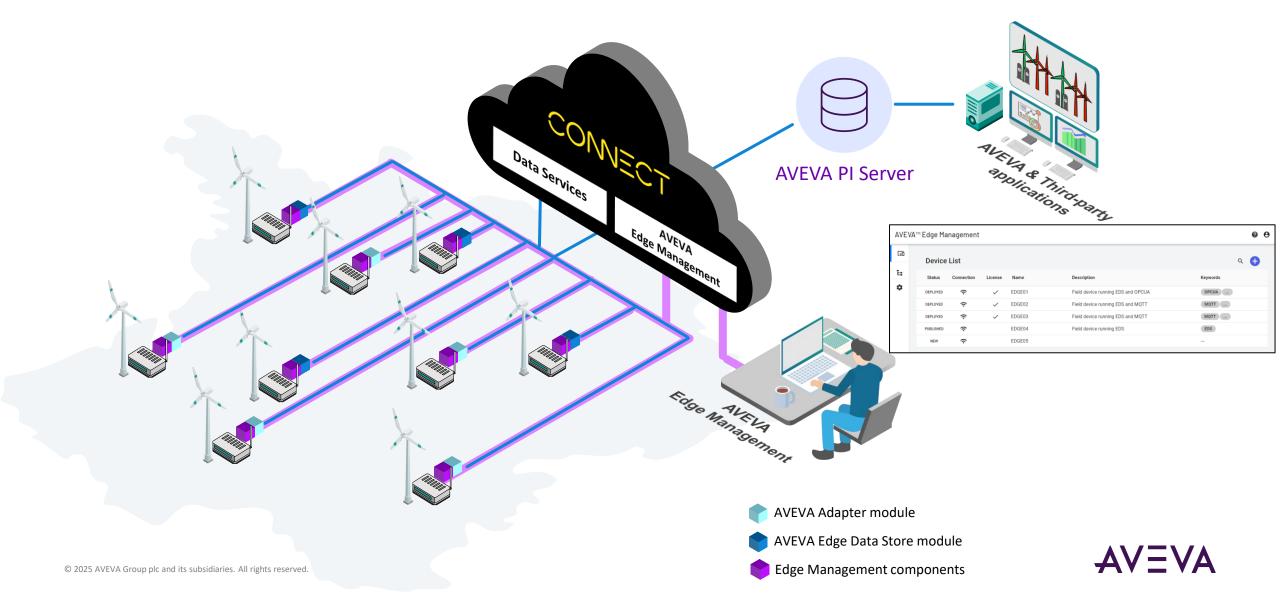


#### **AVEVA Edge Management**

- Easily configure, deploy, monitor, and update from CONNECT
- Enable device twins, remote software installations, and version management
- Easy software configuration management and monitoring
- Greatly reduce installation, configuration, and maintenance efforts
- Edge Management and CONNECT data services provided with AVEVA PI Data Infrastructure



#### Manage software deployments at scale with AVEVA Edge Management



# Deploying an AVEVA Adapter remotely



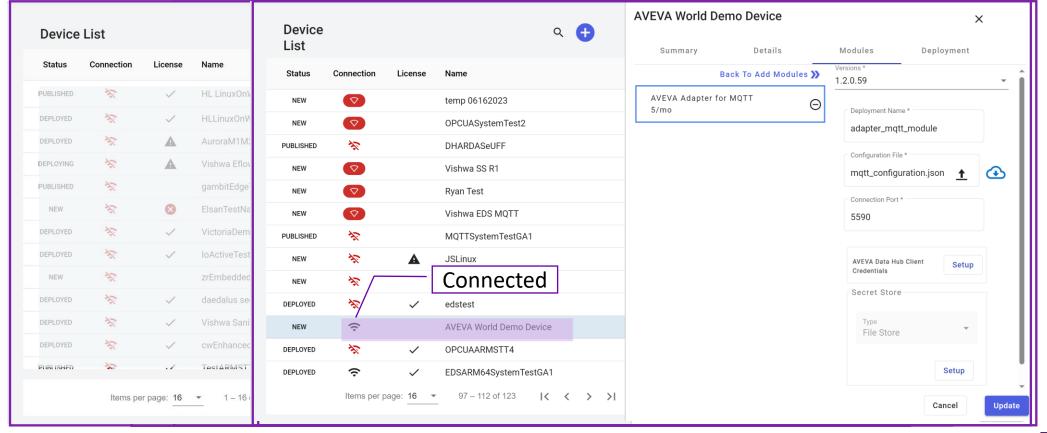
## Edge Management – Push-button deployment experience

1. Create and configure device twin

2. Pair and bootstrap device

3. Deploy software

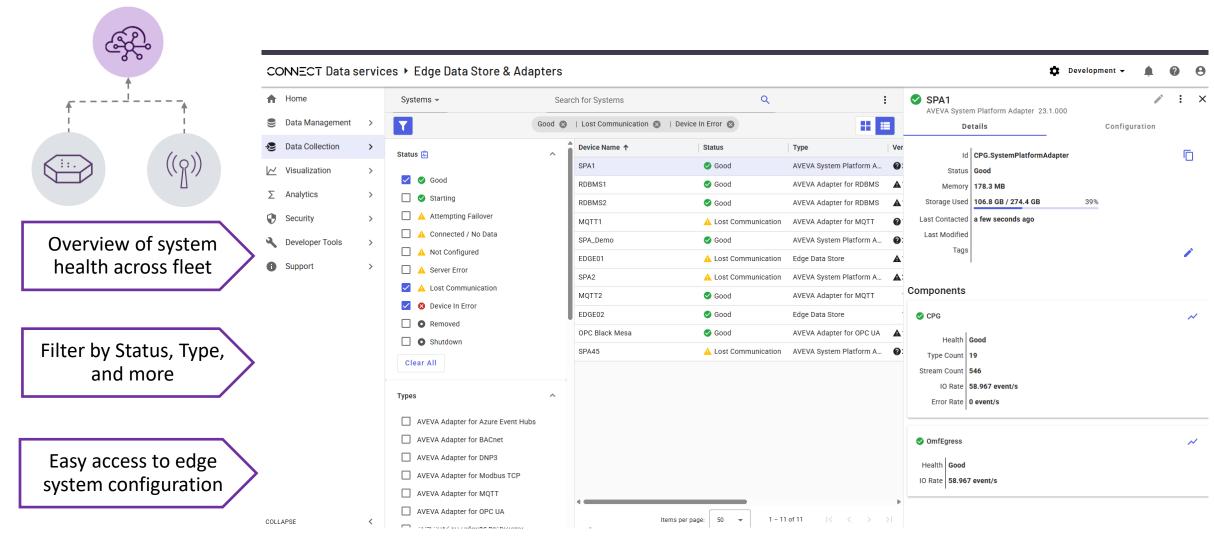
4. Manage device and software



# Health & configuration management

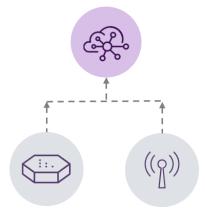


## CONNECT data services – Edge system health monitoring





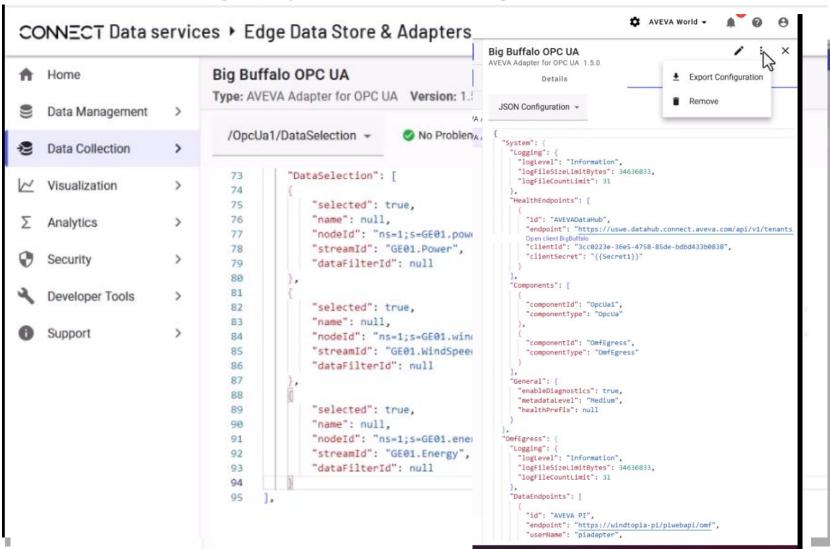
## CONNECT data services – Edge system configuration



Quick start with default config

Validate edge system config

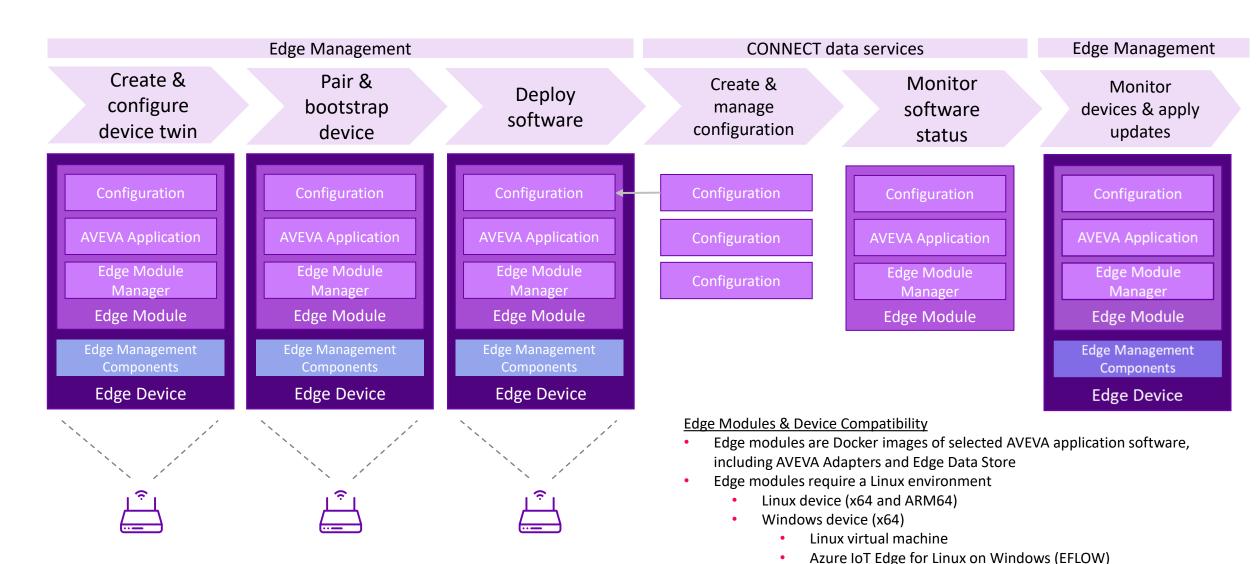
Templatize/Export edge system config



# Expanding deployments with ease



### Remote device, configuration, & software management



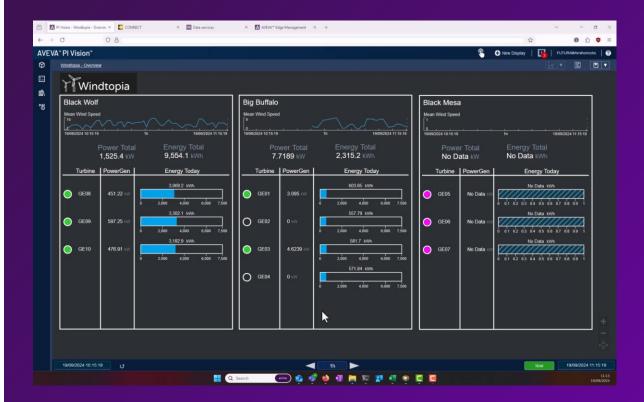
## Demo



## Demo: deploy complete AVEVA Adapter

#### **AVEVA Edge Management**

- Create a device twin
- Bootstrap device
- Create configuration, and configure AVEVA Adapter for OPC UA module, including secrets
- Publish device configuration
- Review final data





### Key Takeaways

#### With AVEVA Edge Management:

- Deploy and configure AVEVA Adapters and AVEVA Edge Data Store from the cloud even for on-premise use cases
- Use secrets to secure configuration and increase re-usability

#### With CONNECT data services:

- Create, store, and manage configuration of AVEVA Adapters and AVEVA Edge Data Store
- Use health management to monitor and assess your remote devices, adapters, and AVEVA Edge Data Store

With CONNECT easily deploy AVEVA Adapters to collect remote data



#### Alan Izar

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#### **AVEVA**

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## Day 2 sessions - AVEVA PI System track

## Operations on-ramp to AI and advanced industrial analytics

Wednesday, April 09 @ 11:15 am Room 2009-2011

# Easily deploy AVEVA Adapters to remotely collect operations data at scale

Wednesday, April 09 @ 1:15 pm Room 2000

#### Offloading admin overhead with cloudmanaged SQL for AVEVA PI Server

Wednesday, April 09 @ 2:00 pm Room 2000

## Supporting expanding needs with AVEVA PI Vision

Wednesday, April 09 @ 2:30 PM Room 2000

#### **Bayer:**

Driving manufacturing excellence with standardized AVEVA PI System data and AI

Wednesday, April 09 @ 11:45 am Room 2009-2011

#### **Saudi Aramco:**

Accelerating sustainability - Digital advisory platform for power optimization and cogeneration efficiency

Wednesday, April 09 @ 3:15 pm Room 2009-2011

#### **Flint Hills Resources:**

**AVEVA PI System and graph** databases

Wednesday, April 09 @ 4:00 pm Room 2009-2011



#### Questions?



Please wait for the microphone.

State your name and company.

#### Please remember to...

Navigate to this session in the mobile app to complete the survey.

# Thank you!



#### Visit us!

Stop by these booths in the Innovation Zone for demos and additional information:

Extend value through
AVEVA PI Data Infrastructure
in the CONNECT area

Transform real-time data into actionable information with AVEVA PI Server in the Operate & Optimize area

Visualize your operations data with AVEVA PI Vision

in the Operate & Optimize area



#### Innovation zone

Exciting, modern & engaging experience

**5 key zones:** CONNECT, operate & optimize, design & build, industrial sustainability, experiential zone (hands-on activities)

45+ sponsor and exhibitor booths

CONNECT ecosystem partner kiosk

Partner solution sessions

Guided tours by industry

Game and leisure areas



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#### **ABOUT AVEVA**

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at www.aveva.com

