



AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Hybrid Heroes: Modernizing and Unlocking Operational Agility with the Cloud

Discover how AVEVA's Hybrid-Cloud solutions can help you complement your on-prem systems with the cloud

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AVEVA WORLD MILAN, MAY 2026

Agenda

Hybrid Heroes: Modernizing and
Unlocking Operational Agility
with the Cloud

Allianz MiCo
Milano

What is a Hybrid Cloud strategy?

What problems does it solve?

AVEVA's Hybrid-Cloud solutions:

Data Aggregation, Contextualization, and Sharing

Data Visualization and Reporting

AI/ML Cloud Services

Frontline Worker Empowerment

Infrastructure as a Service

AVEVA's roadmap

Wrap up and Q&A

What is a Hybrid Cloud strategy?

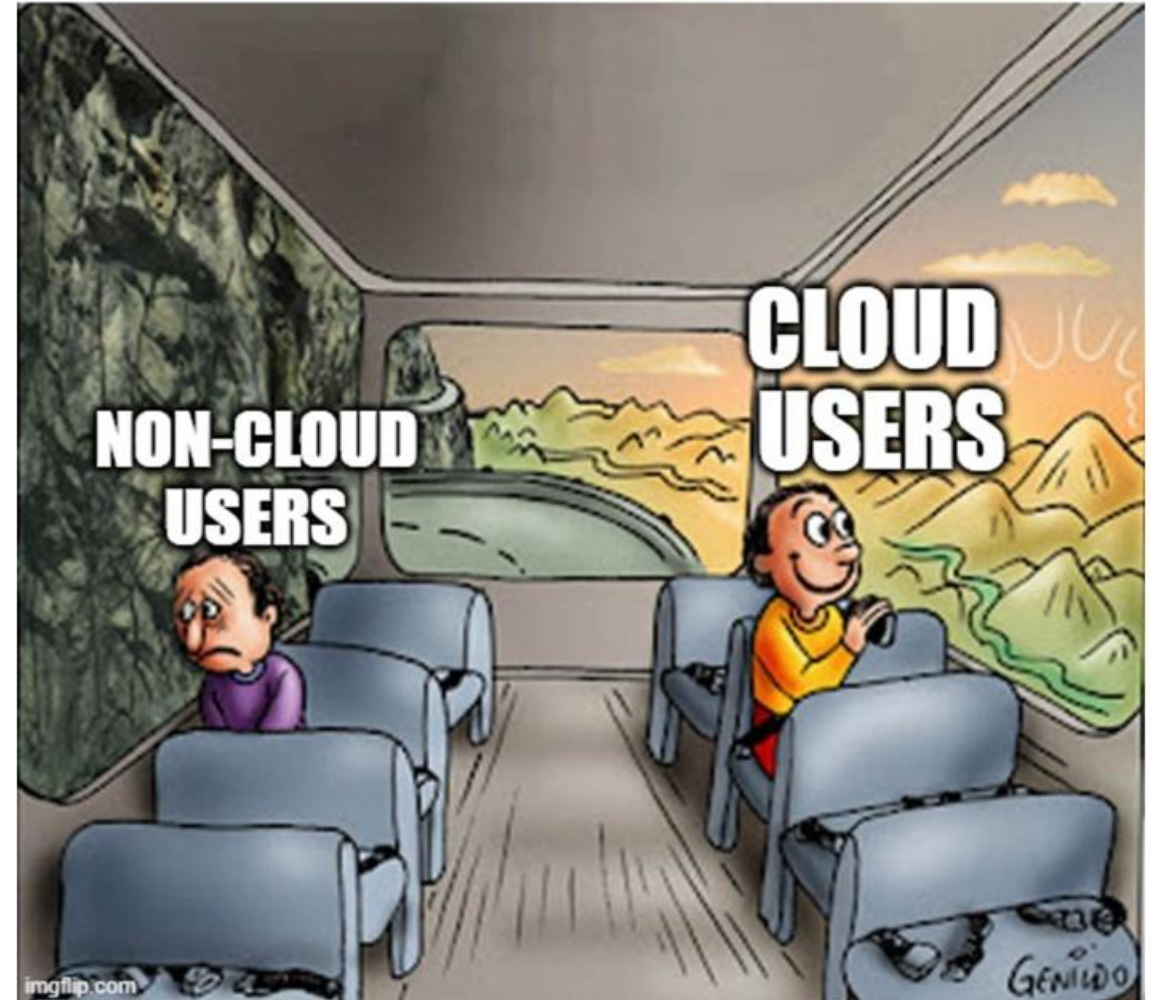
Exploring what it means, its value, and common industry challenges that it solves!



What is a Hybrid-Cloud strategy?

It's cloud stuff!

- Deployments that combine cloud tools with on-prem products for maximum value
- Example cloud advantages:
 - Flexible deployment
 - Easy scalability
 - Automatic updates
- Example on-premise advantages:
 - Retain on-site control and security
 - Customization
 - Cost predictability
- Gives you the benefits of modern cloud applications while maintaining full sovereignty over on-prem critical data



What problems does it solve in our industry?

When “on-prem” is too rigid and “all in on cloud” isn’t feasible

Multi-site data aggregation and standardization

Consolidate data from different plants into a consistent model

Secure remote visibility

Let experts view the same operational context from anywhere without opening the control network

Extend cloud workloads while keeping local real-time control

Meet latency and uptime requirements by maintaining on-prem HMI/SCADA and control

Incremental modernization

Add cloud capabilities around legacy SCADA at your own pace and risk profile

Resilience and data recovery

Improve recovery times for visibility and data services using cloud backup/replication

How AVEVA supports Hybrid Cloud deployments



Access, visualize, and model trusted industrial information
to predict and inform more efficient outcomes

CONNECT



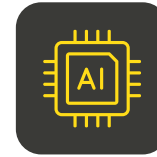
Connectivity



Data management
& visualization



Collaboration



AI & analytics



Applications

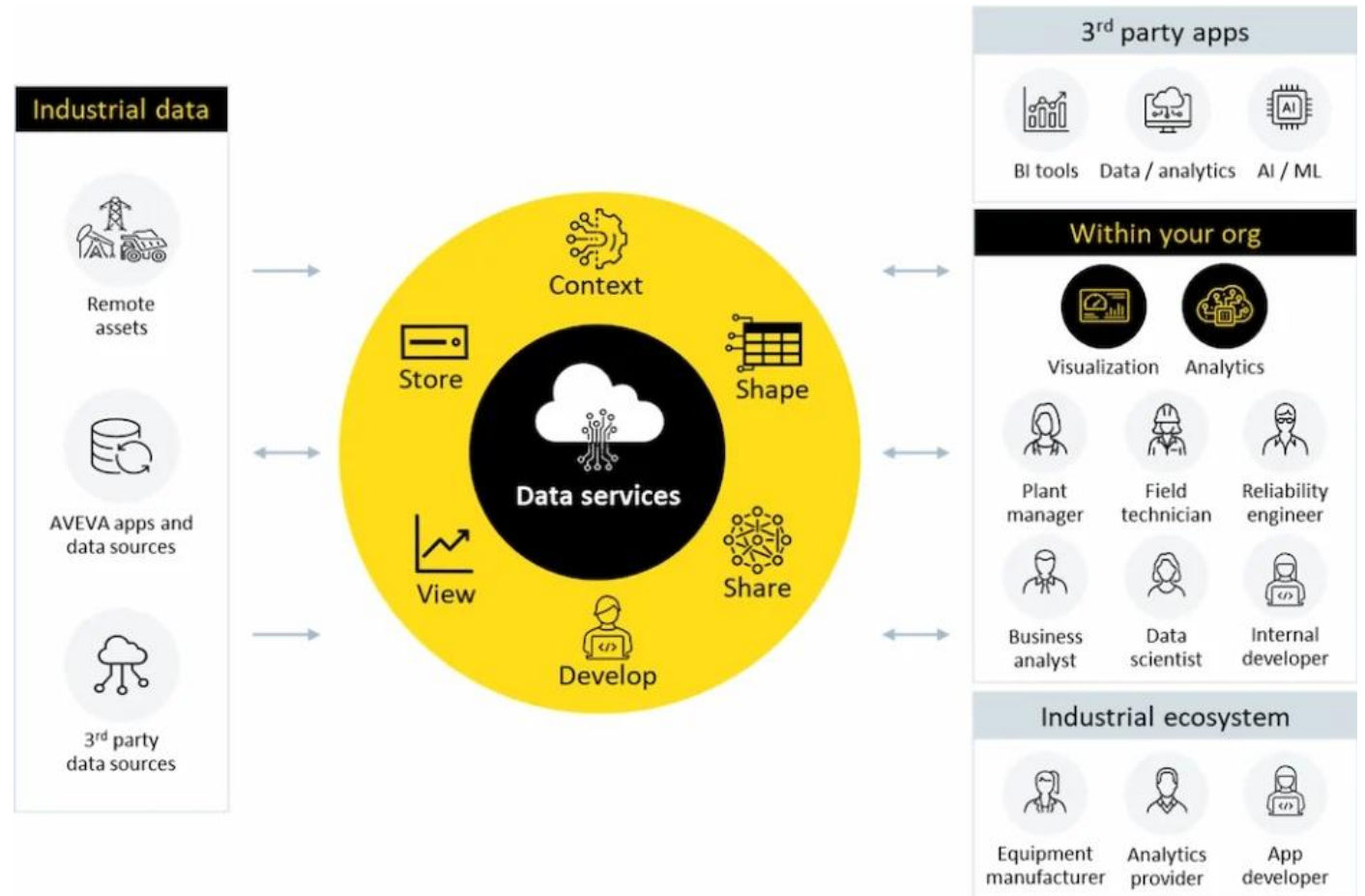


Created specifically for industry, CONNECT allows you to aggregate, contextualize, and share information securely and easily across multiple sites and data types in a collaborative and frictionless environment.

Data Aggregation and Contextualization

CONNECT Data Services is the backbone

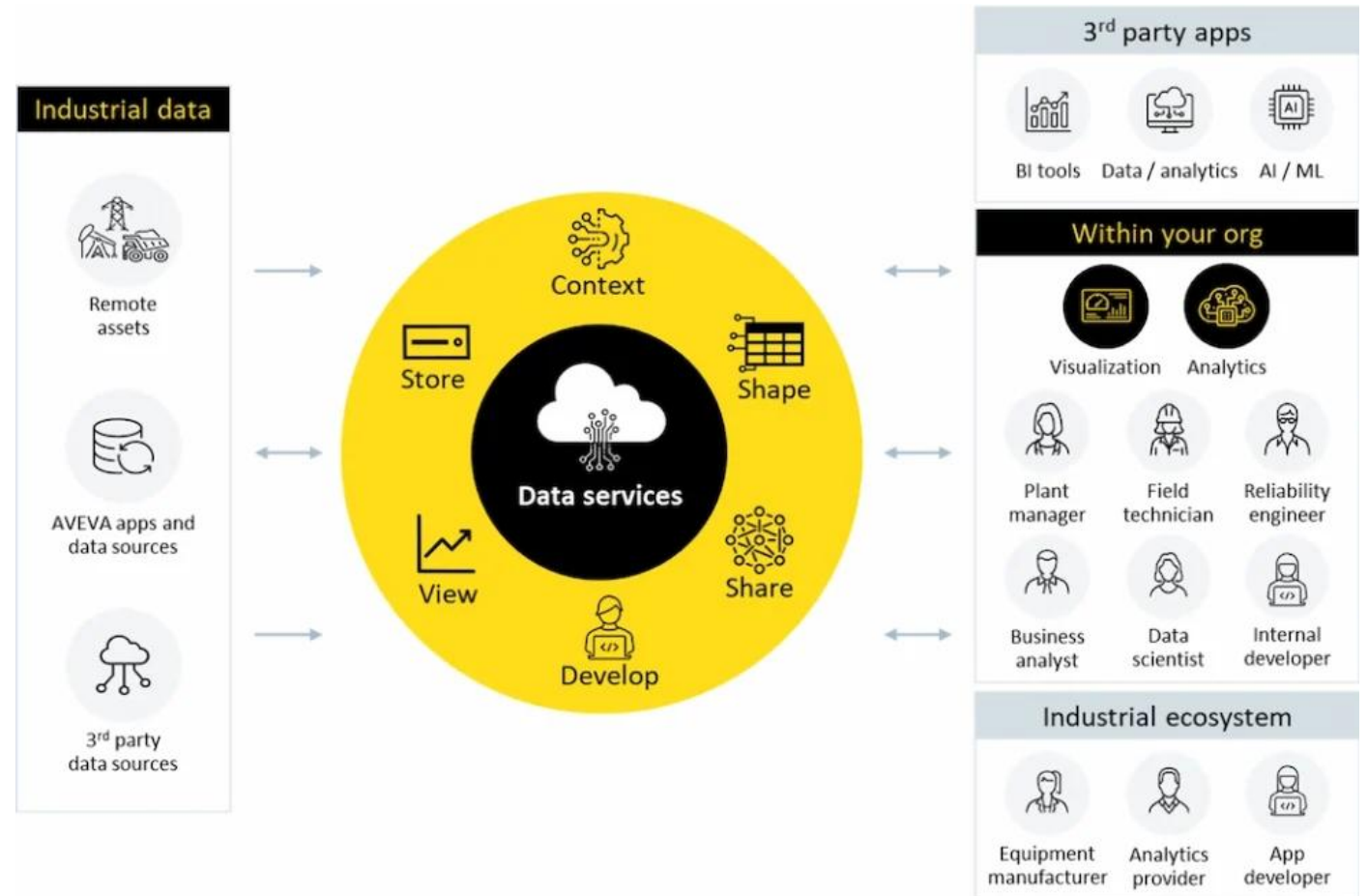
- What is CONNECT Data Services?
 - Mainly a time-series cloud Historian
 - Set of services used to aggregate, store, enrich, and share industrial data



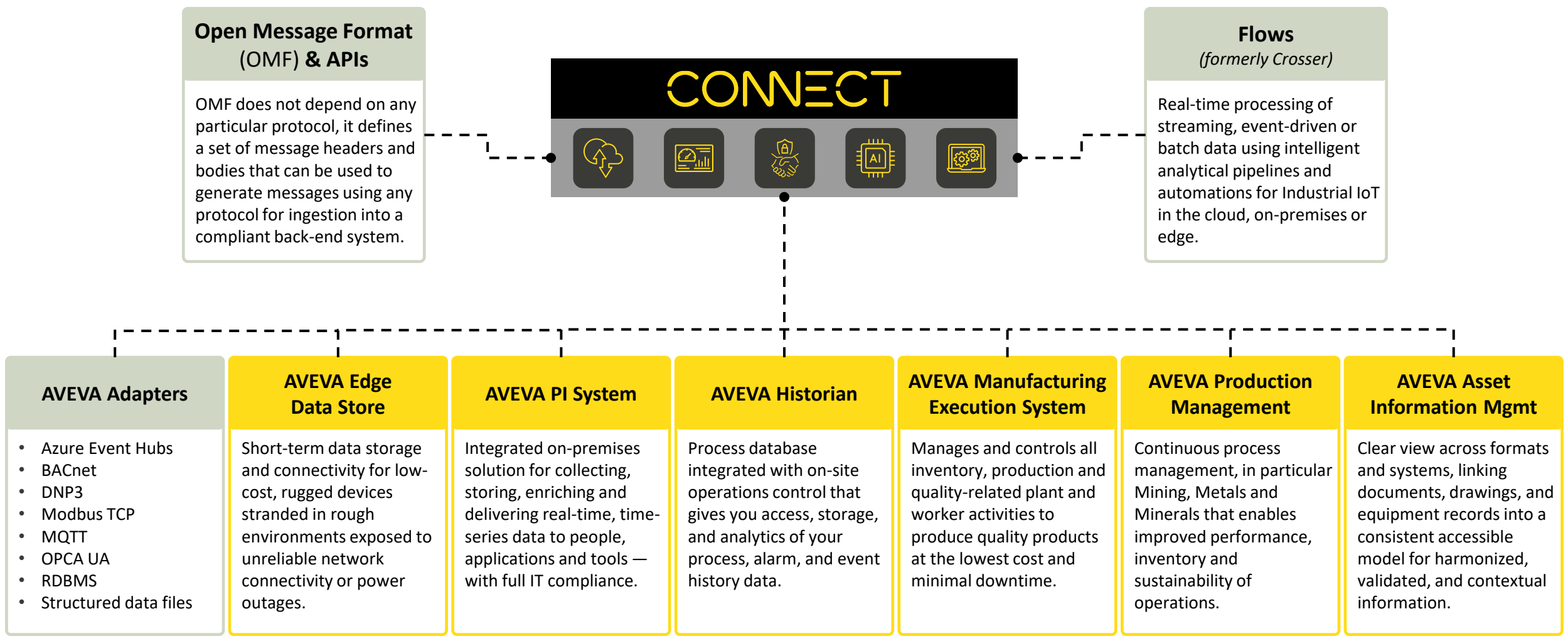
Data Aggregation and Contextualization

How to leverage CONNECT Data Services

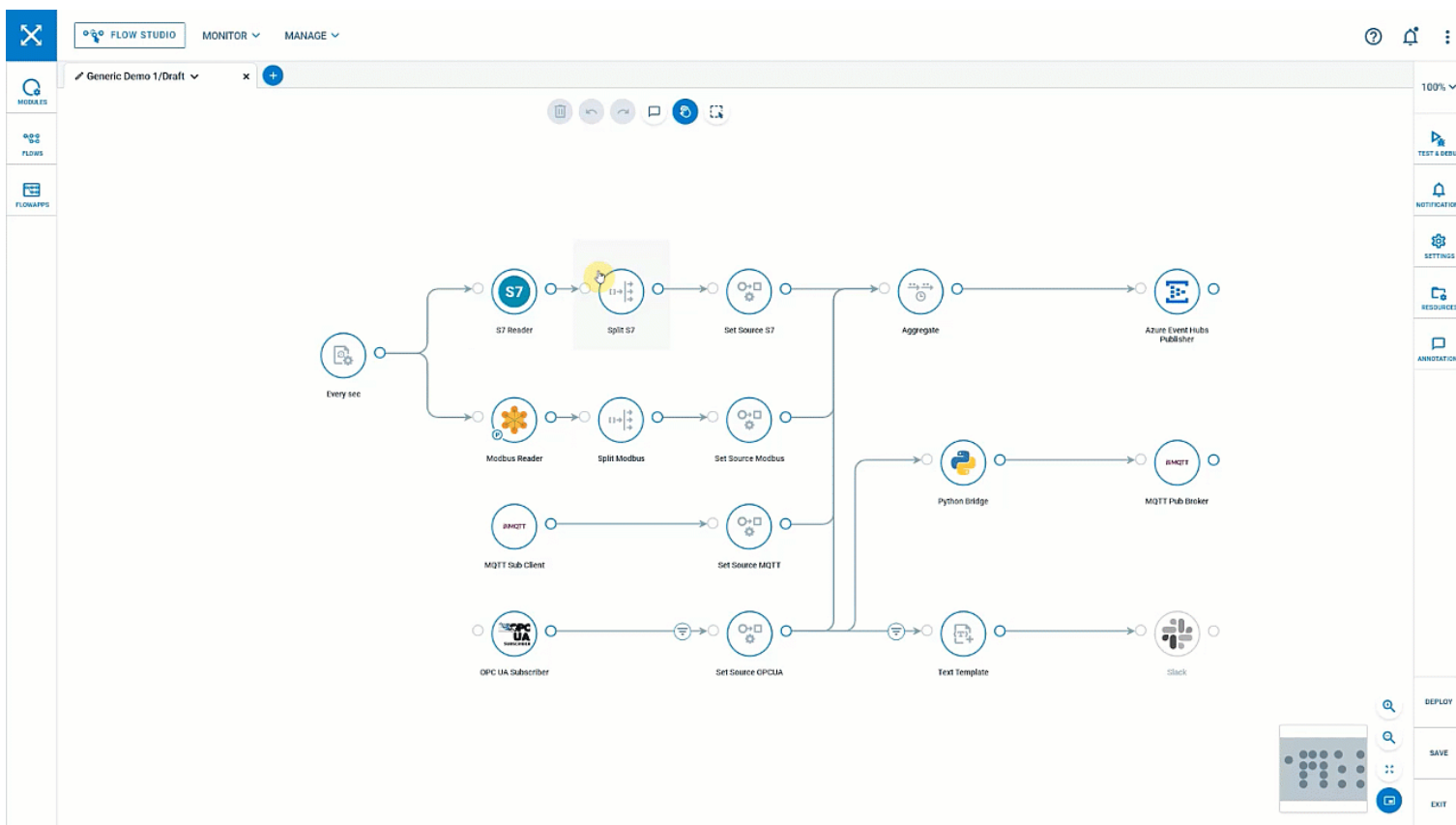
- Data collection via low-code/no-code drivers
 - Aggregate data from disparate on-prem databases
 - Supports backfilling
 - Some are bi-directional! Can write data back to on-prem systems
- Breaks down data silos and traditional hurdles
 - Proprietary protocols
 - Vendor-specific databases
 - Architectural constraints
- Ability to structure/organize data
 - Promotes standardization
 - Democratizes data
- CONNECT becomes convenient single source of operational truth for your organization



Data Aggregation and Contextualization



Flows – intelligent data processing pipelines



- Library of 800+ data sources and destinations to integrate
- Transform data with no code modules or low code connectors
- Process & run analytics with advanced logic out-of-the-box
- Trigger actions and smart automations
- Complement with your own code or ML/AI model
- Remotely manage from CONNECT, deploy in the cloud, on-premises, or at the edge

Choose from a library of hundreds of building blocks



Start from scratch or use a template or an existing flow.



Combine pre-built modules into processing flows with low-code flow studio. Option to add custom algorithms and/or Machine Learning.



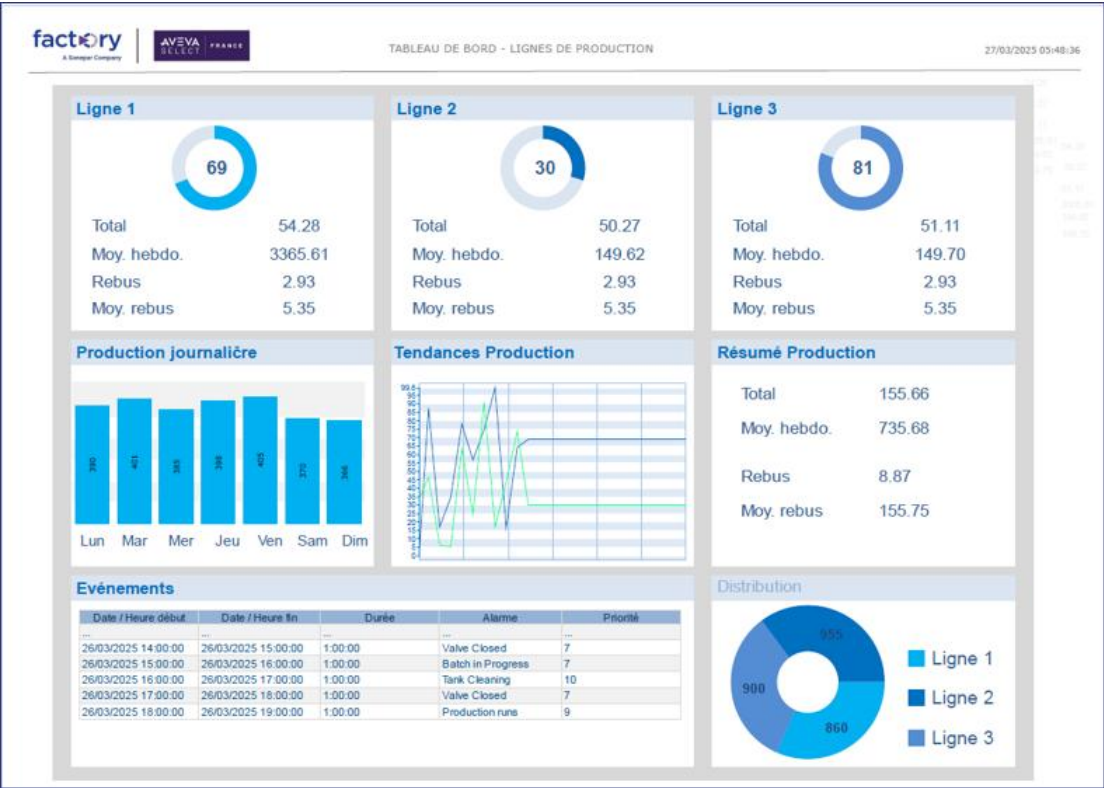
Connect to real data sources and test your data flow.



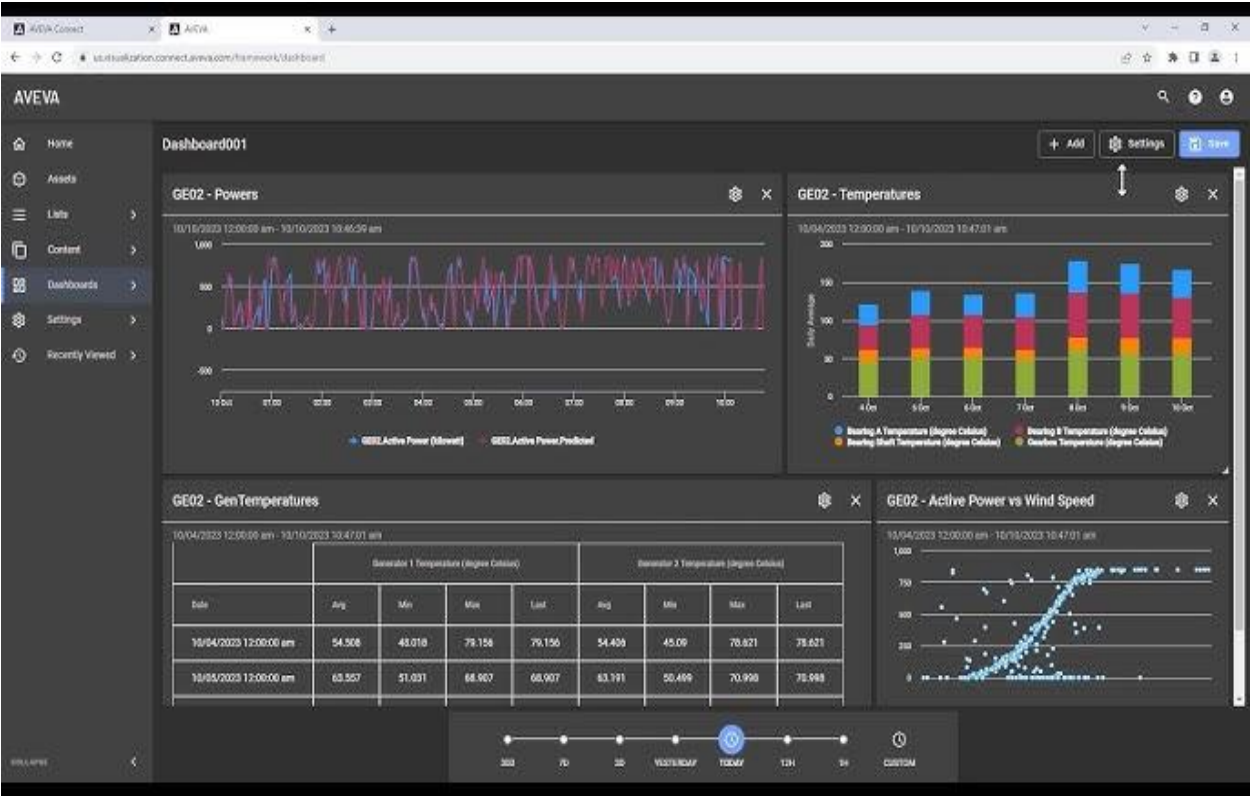
Select one or many nodes and deploy your data flow.

Hybrid Visualization and Reporting

AVEVA offers static AND dynamic Hybrid-Cloud reporting solutions

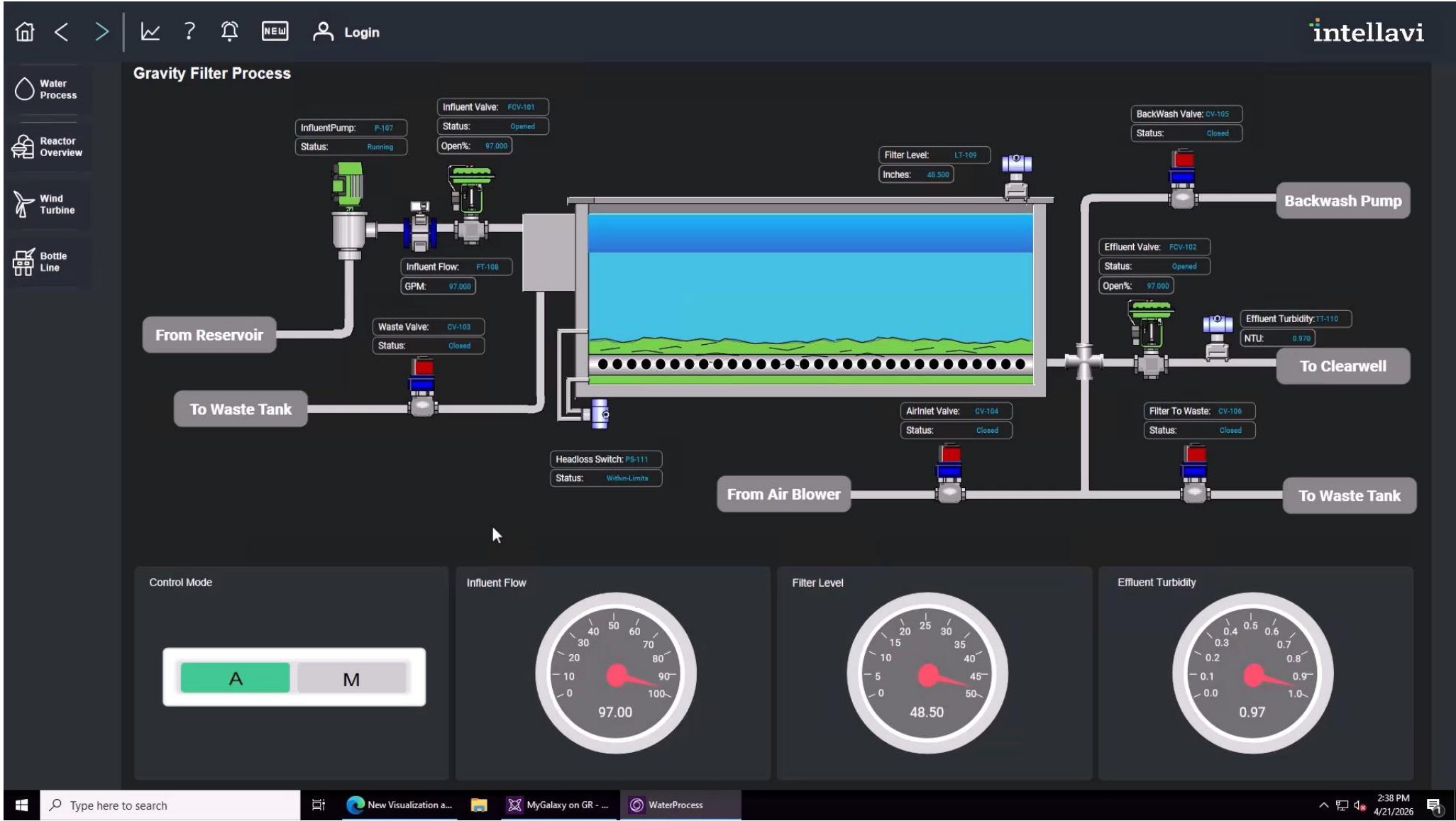


AVEVA Reports



CONNECT Visualization Services

Industrial Graphics publication to CONNECT Visualization



Hybrid Data Sharing

Data can be easily shared across the cloud as well

- CONNECT “Communities”
 - Ability to create dynamic reports in the cloud and share them exclusively with external organizations



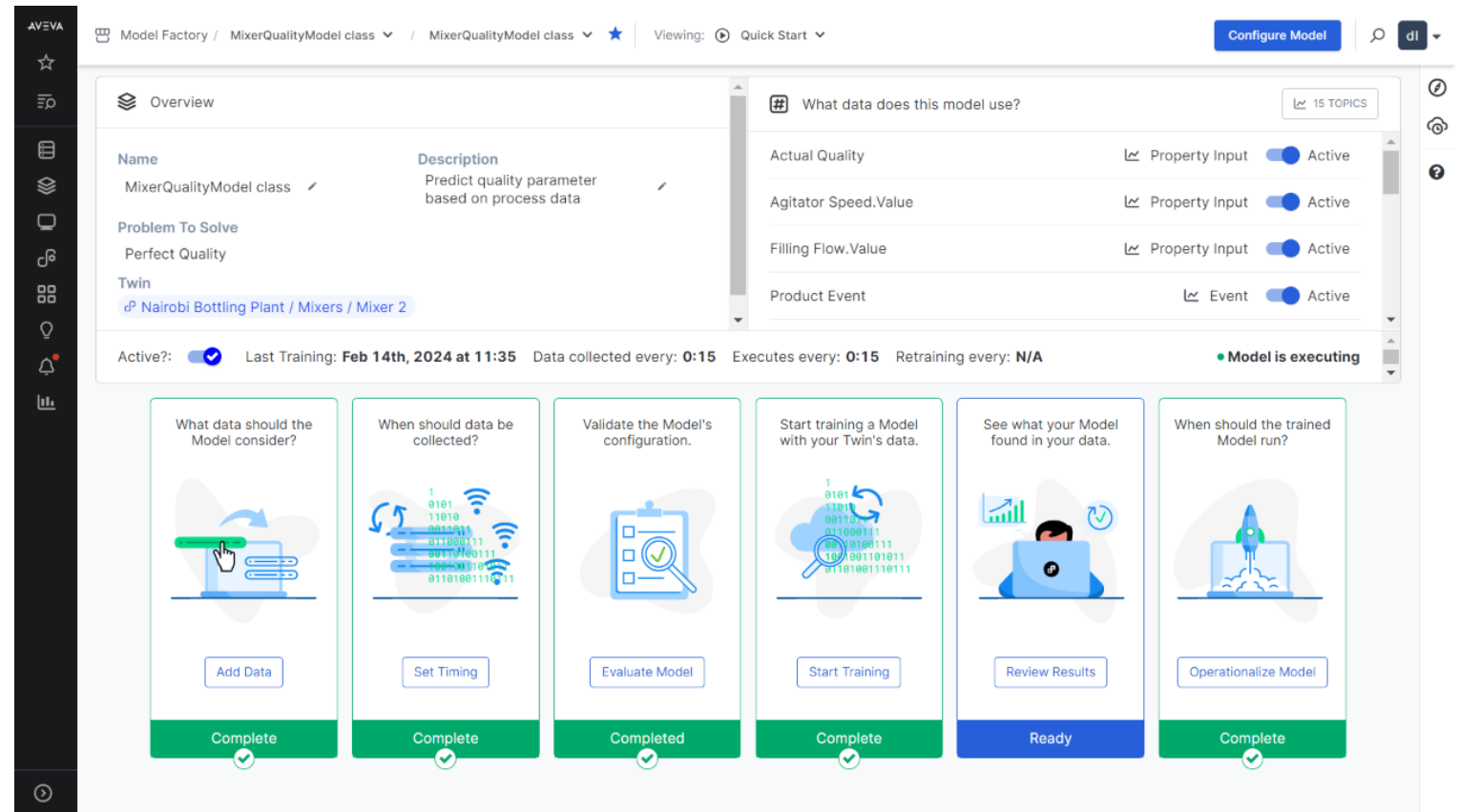
- Extensibility with Databricks, Snowflake, and cloud APIs

AI/ML Cloud Services

AVEVA Advanced Analytics

- Data science is hard and expensive...so let AVEVA do it for you!

- AVEVA AI/ML cloud applications
 - Summarize operations
 - Detect anomalies



AI/ML Cloud Services

We have a cloud AI chatbot!

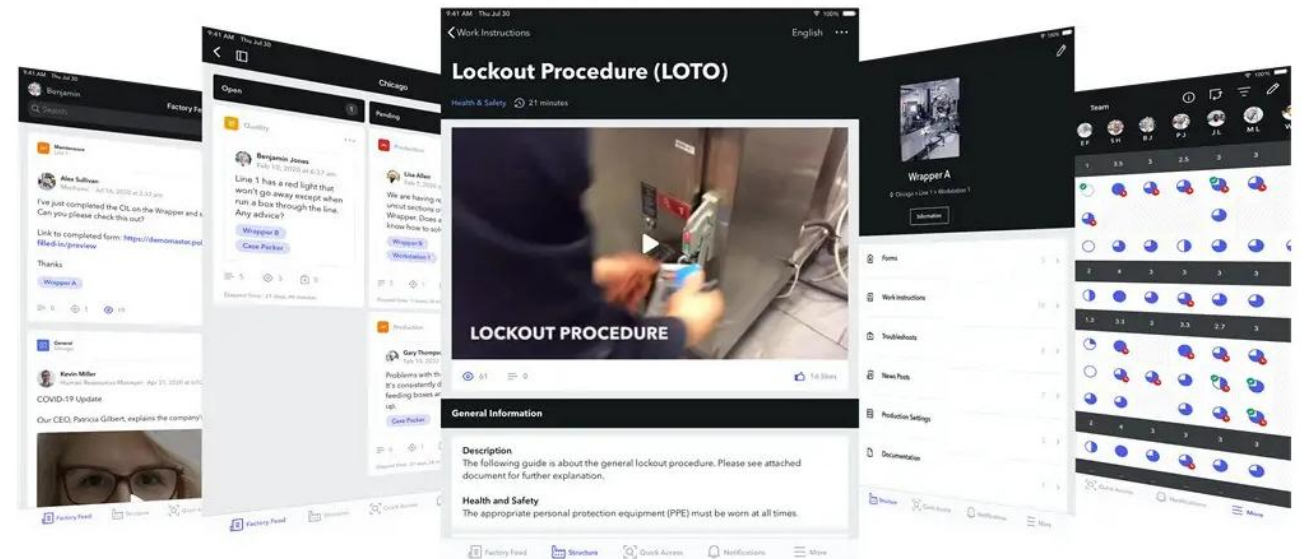
- Can read your data aggregated and contextualized in CONNECT Data Services
- Able to generate content/dashboards



Frontline Worker Empowerment

Through AVEVA Teamwork!

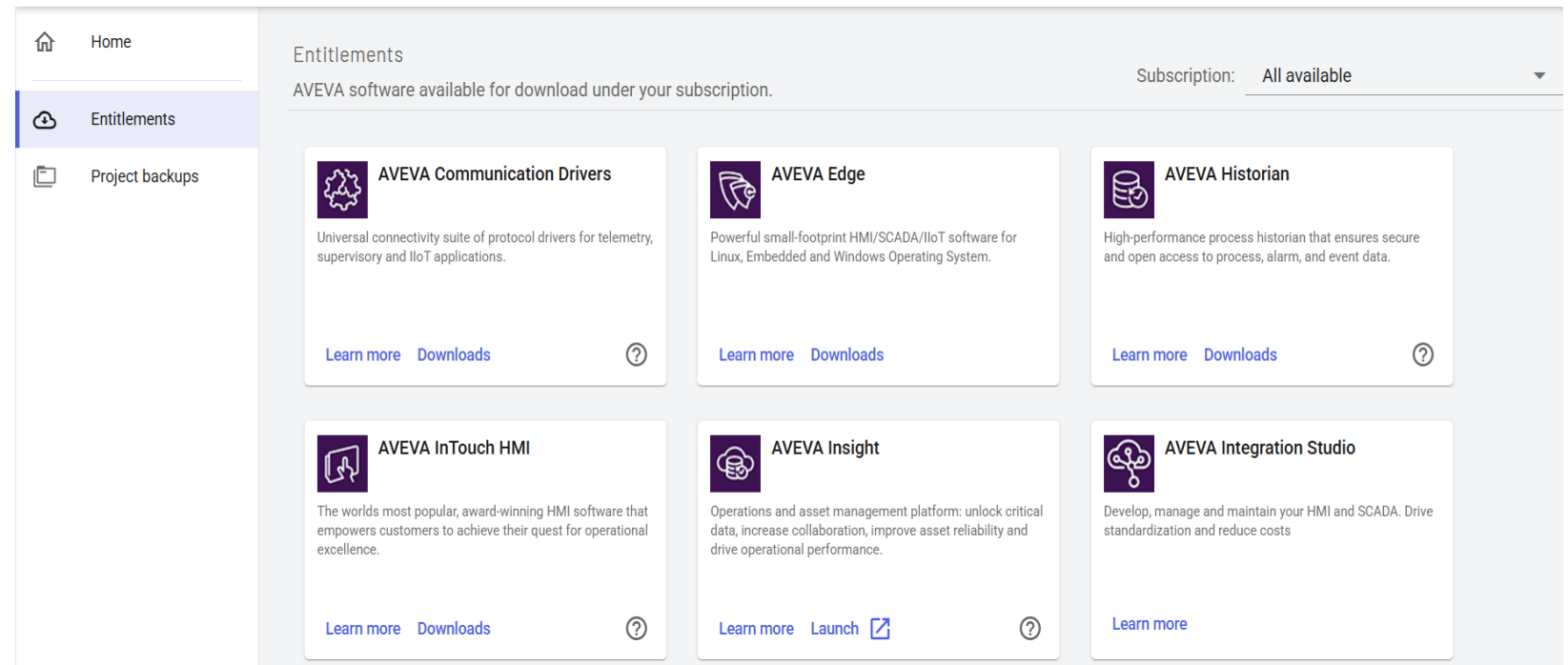
- A strong Hybrid-Cloud strategy doesn't just unlock your data, but your most valuable commodity as well: your humans
- AVEVA Teamwork empowers frontline workers
- What can AVEVA Teamwork do?
 - Knowledge sharing and retainment
 - Accelerate skill development
 - Provide collaborative tools
 - AI assisted workflows
- System Platform galaxy can be deployed to Teamwork to maintain consistent asset structure



Infrastructure as a Service

AVEVA Integration Studio and AVEVA Development Studio

- Integration Studio:
 - Cloud VM provisioning
 - Project testing and validation
 - Isolated or networked VMs
- Development Studio:
 - View and download AVEVA software
 - Including software updates!
 - View product compatibility information
 - View, create, and manage project backups
 - View and access AVEVA training

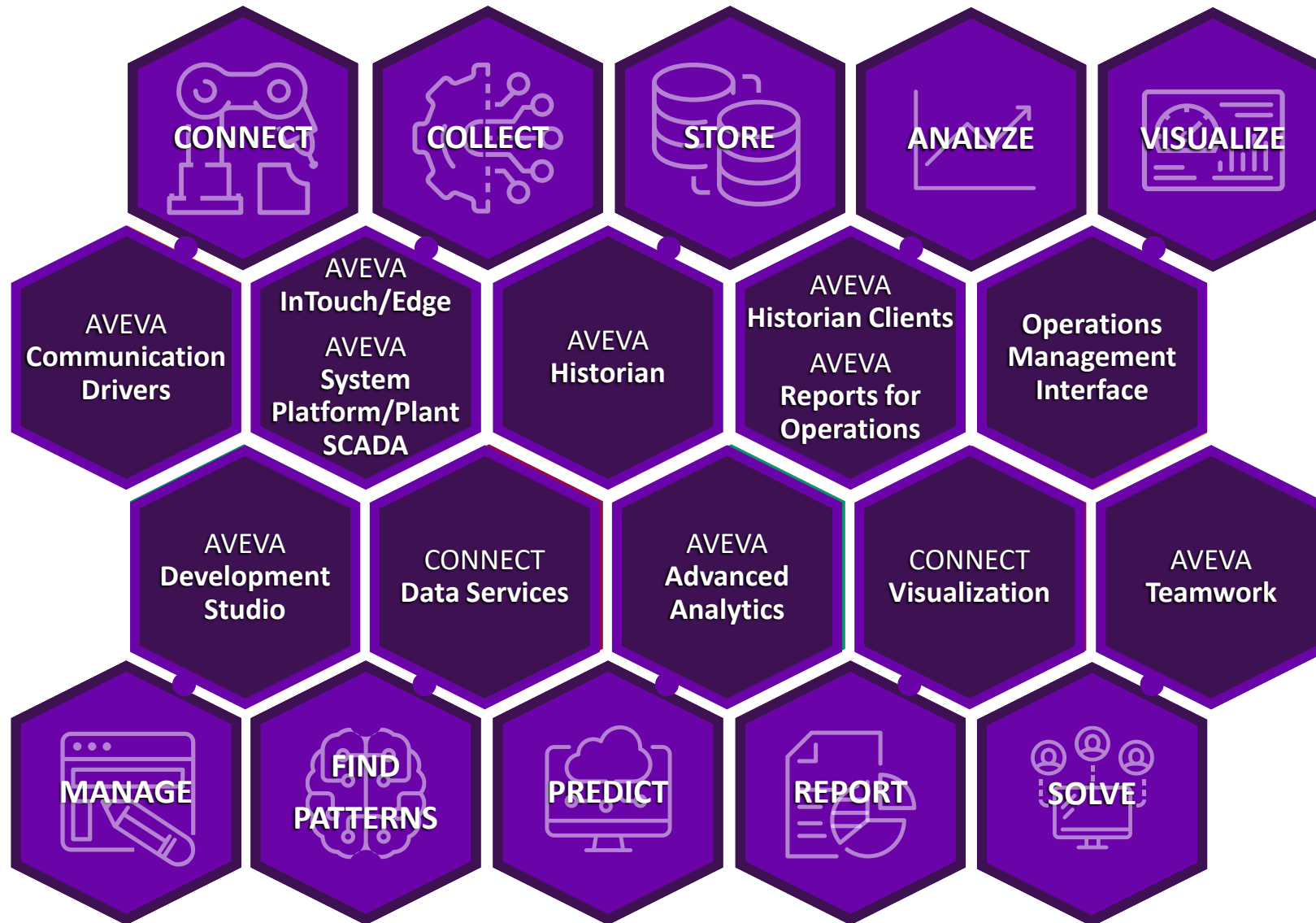


Hybrid-Cloud Strategy Summary

AVEVA can help you be an agile Hybrid-Cloud hero!

- A Hybrid-Cloud strategy gives you a “best of both worlds” approach to solve real problems
- AVEVA’s Hybrid-Cloud solutions cover:
 - Data aggregation and contextualization
 - Hybrid reporting
 - Static and dynamic
 - Industrial Graphics in the cloud
 - Advanced Analytics via AI/ML algorithms
 - Generative AI chatbot in the cloud via the Industrial AI Assistant
 - Empowering frontline workers
 - Infrastructure as a Service
 - Cloud VMs, project backups, software downloads, etc

AVEVA Operations Control



Empowering Digital Transformation with the power to choose the configuration, architecture and deployment options that best meet your objectives

...but wait! What else is coming?

Recently available

- **Virtual Tables: Databricks** – integration general availability
- **AVEVA System Platform 2023 to CONNECT** – standalone publisher
- **Multifactor authentication enforcement** – Administrator enabled
- **Administrator reporting improvements**
- **New Experience visualizations**
- **Canvas visualization replacement**
- **Content item updates**
- **AVEVA Asset Information Management integration now available**
- **Industrial AI Assistant enters Open Preview**
- **Asset and Time context in visualizations**
- **Community data sources in visualizations**
- **Revised Graphics library**
- **Full page search enhancements**
- **Resource Center**
- **Visualization QoL improvements**
- **Import Graphics** from AVEVA System Platform

In development (short-term)

- **Industrial AI Assistant enhancements**
 - Structured asset queries
 - Customizable AI instructions
 - Human-in-the-loop refinement
- **Support for enhanced data management** – entity store, relationships, hierarchy
 - Engineering data ingress
 - AVEVA Advanced Analytics
 - AVEVA PI System
 - AVEVA System Platform
 - AVEVA Manufacturing Execution System
 - AVEVA Production Management
 - Data views & Virtual tables & Databricks
 - CONNECT visualization
 - Industrial AI Assistant
- **OMF Ingress 2.0** – Streams, Entities, Events
- **AVEVA Manufacturing Execution System** – operations and quality use cases
- **Aggregated calculations**
- **Virtual Tables: Microsoft Fabric** integration
- **PI Event Frames** to CONNECT
- **PI Vision displays** to CONNECT
- **Embed Canvas into Grid visualizations**
- **Customer Hosted SaaS** Proof of Concept
- **Pharma Compliance** GxP Gap Analysis

Planned (long-term)

- **Virtual tables: Snowflake** integration
- **AVEVA PI System bulk data upload**
- **Sequential Data Store (SDS)**
 - Bulk read APIs
 - Horizontal autoscaling
 - Community stream sharing
- **Graph Storage**
 - Dynamic Hierarchies
 - Entity scale & perf. (1M entities, 10K types)
 - Events scale & perf. (100M events)
 - Events Active/Between queries
- **System Platform Alarms & Events** to CONNECT
- **PI to CONNECT / CONNECT to PI**
 - Failover support / redundancy
 - Support multiple PI Servers
- **Industrial AI Assistant**
 - Ad hoc analytics, embed in Experiences
 - More generation capabilities & use cases
- **Community support** – enhanced data mgt
- **AI assisted Digital Twin builder**
- **CONNECT Ecosystem** partner listing
- **Localization** for TBD languages
- **Pharma compliance** Cont. POC validation
- **Data-first and Entity visualization creation**
- **Persistent Asset/Time context in shared visualizations**
- **Embed 3rd-party content in visualizations**
- **Map content enhancements** (ESRI, JSON, etc)
- **Event triggered forms in visualizations**

Under evaluation

- **AVEVA Unified Engineering** – authoring data store
- **Enterprise BI Tools expansion** – Power BI, Tableau, Qlik, SAP WebI, etc.
- **Expanded Events support** – in Data views, Visualization, Virtual Tables, etc.
- **Linked (external) data support**
- **Community Virtual Table support**
- **Community event sharing**
- **Community display sharing**
- **Community support** – mapping between customer and partner data models
- **Account subletting**
- **Additional AVEVA software integrations**
- **Pharma compliance** – Audit trail & continuous validation
- **Native data ingress from 1D / 2D / 3D sources**
- **Improved information standards management experience**

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.

Visit us ... [insert information here on demos and
specific, relevant booths in the innovation zone.]

Thank you!



Innovation Zone

Accelerate your industrial intelligence

- Visit the product areas
 - *Featuring demos and technical experts*
 - *Try CONNECT yourself!*
- Attend 75+ theater sessions
 - *15-minute presentations*
 - *Product managers, development staff and partners*



Innovation Zone

Accelerate your industrial intelligence

► Visit the CONNECT area

- *Featuring demos and product experts*
- *Try CONNECT yourself!*

► Attend the CONNECT Lounge

- *20-minute technical presentations*
- *Product managers & development staff*

AVEVA Communities are EXPANDING!



HMI / SCADA & MES

Technical Forums • Training •
Documentation • Technical Video Demos •
Social Media Engagements •
Events & More!

CONNECT

Community coming soon in 2026!



PI SQUARE COMMUNITY

130,000+ members

Visit us at **booth T14** in the Innovation Zone
globally!

PI SYSTEM

Technical Forums • Blogs • More content coming soon!

AVEVA

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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.

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