



**AVEVAWORLD**

**ACCELERATE INDUSTRIAL INTELLIGENCE**



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# Delivering Intelligent Data Integrations, Edge DataOps and Edge AI with flows in CONNECT

**Presented by:**

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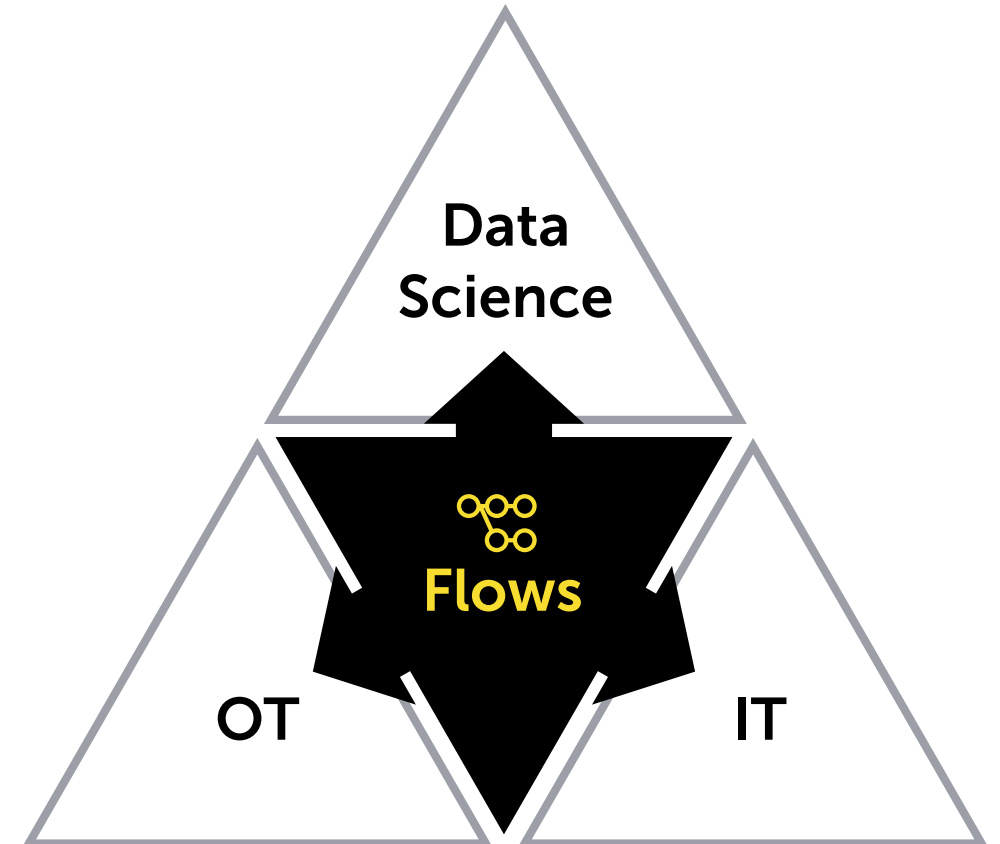
# Agenda

- Flows background
- Flows – part of the CONNECT platform
- Capability and highlighted use cases
- Deploy and manage flows in CONNECT
- Conclusion

# Flows background

## The result of the acquisition of Crosser

- Swedish company, AVEVA ecosystem partner
- Hybrid first software for real-time intelligence and integration
- Experts in OT, IT and Data integration
- Acquired in late 2025, Crosser is going to be an integrated capability this year
- **Crosser is becoming flows**, a capability within CONNECT



# Flows are part of the CONNECT industrial intelligence platform



## Connectivity

Data collection tools and capabilities that transfer and sync data securely from edge, on-premises, and cloud sources.



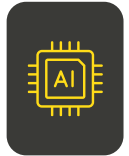
## Data management & visualization

Built-in functionality for storing, organizing, enriching, and displaying contextualized data through role-based visuals.



## Collaboration

Sharing capabilities that facilitate cooperation and trusted data between both internal and external teams, securely.



## AI & analytics

Assistants, agents, ML and data processing tools that expedite and amplify the analysis of data and insights.

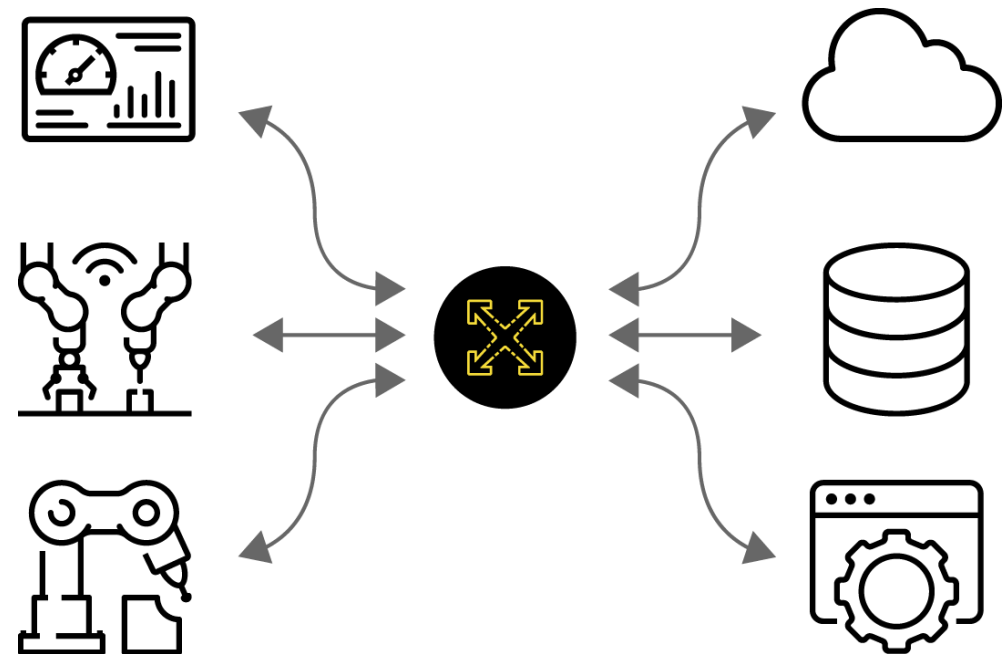


## Applications

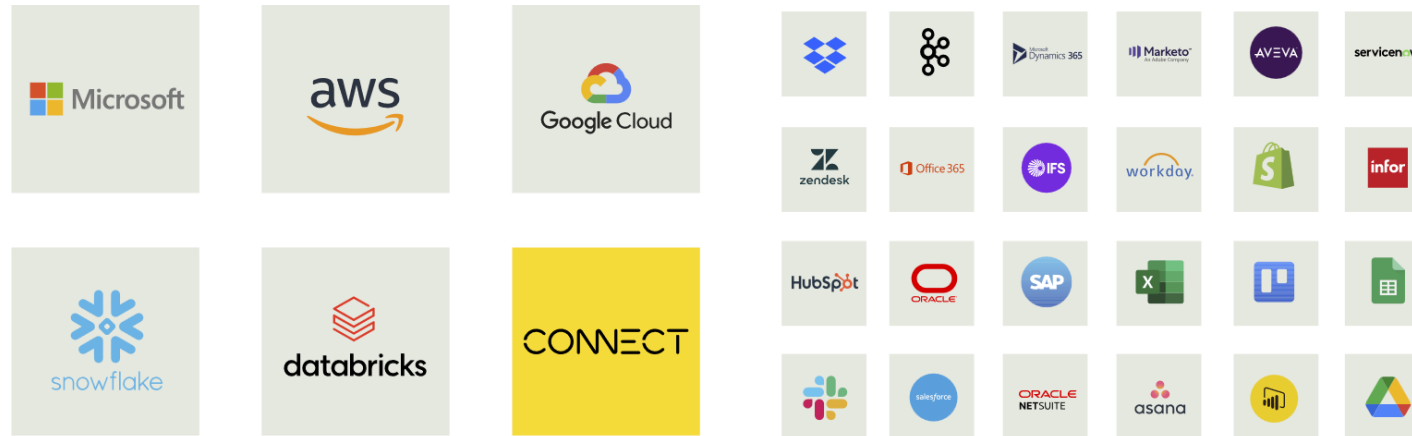
Native applications, hybrid integrations and partner applications that leverage CONNECT's capabilities.

## Flows

Low code solution to build and deploy data processing pipelines for real-time intelligence & integration, including data transformation, Edge AI and Edge DataOps.

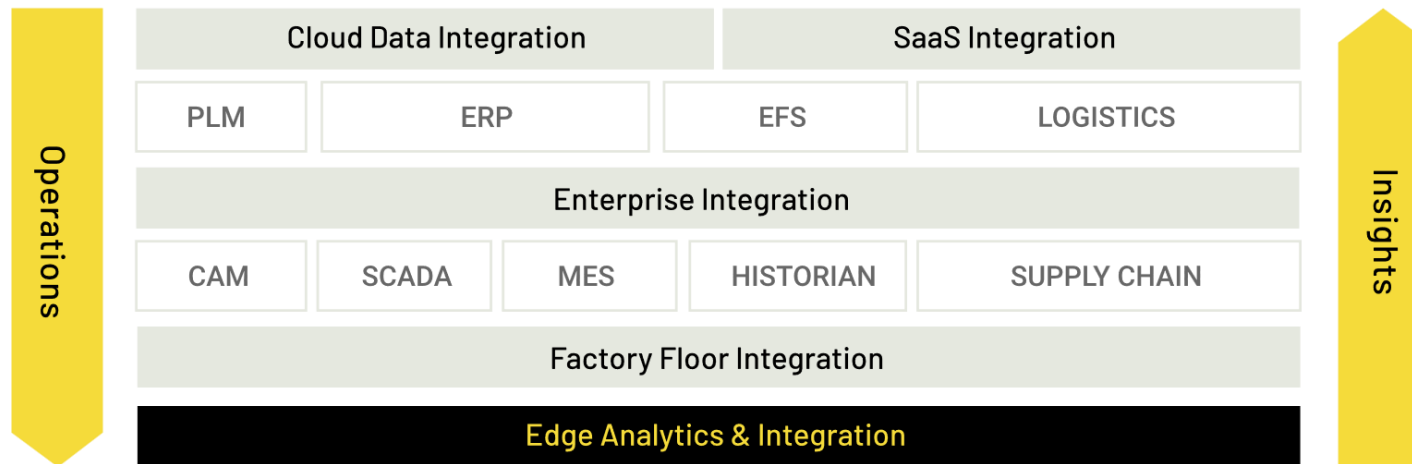


# Flows break up data silos in all layers of the industrial data stack

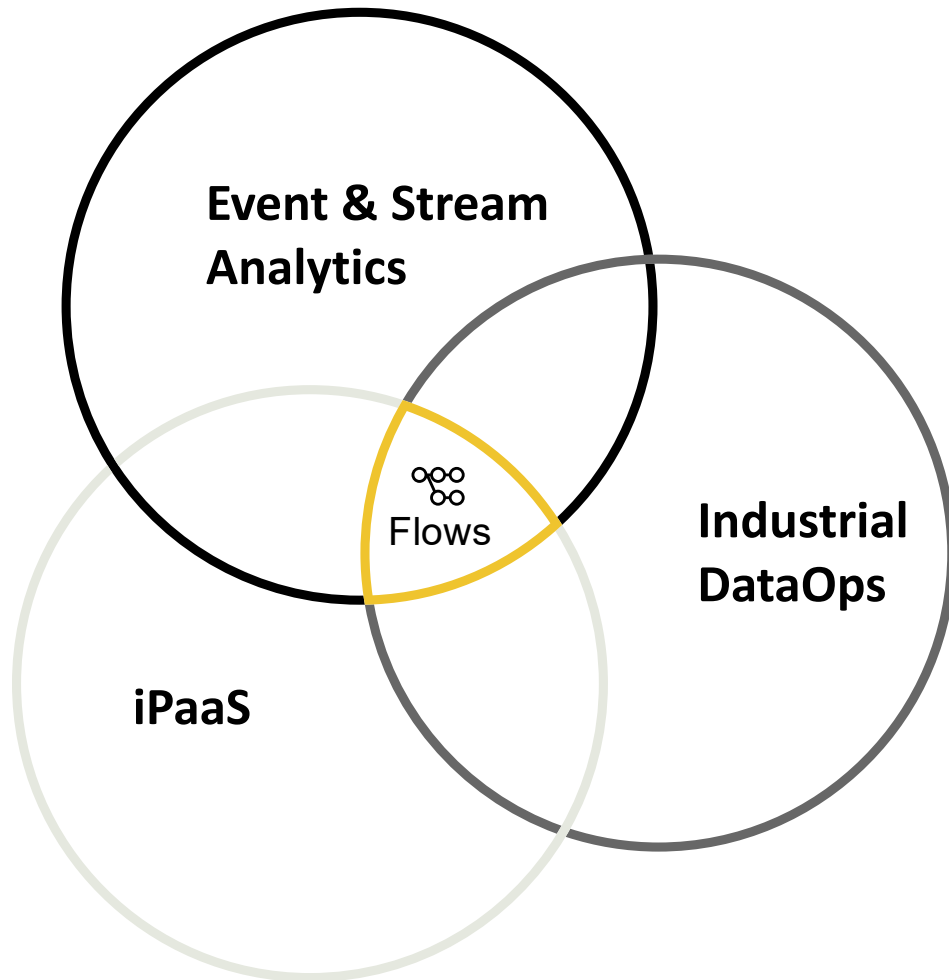


Pre-processed Ready-to-Use data, KPI's and triggers to any system, anywhere

Actionable real-time Insights & Automations



# Real-time intelligence & integration

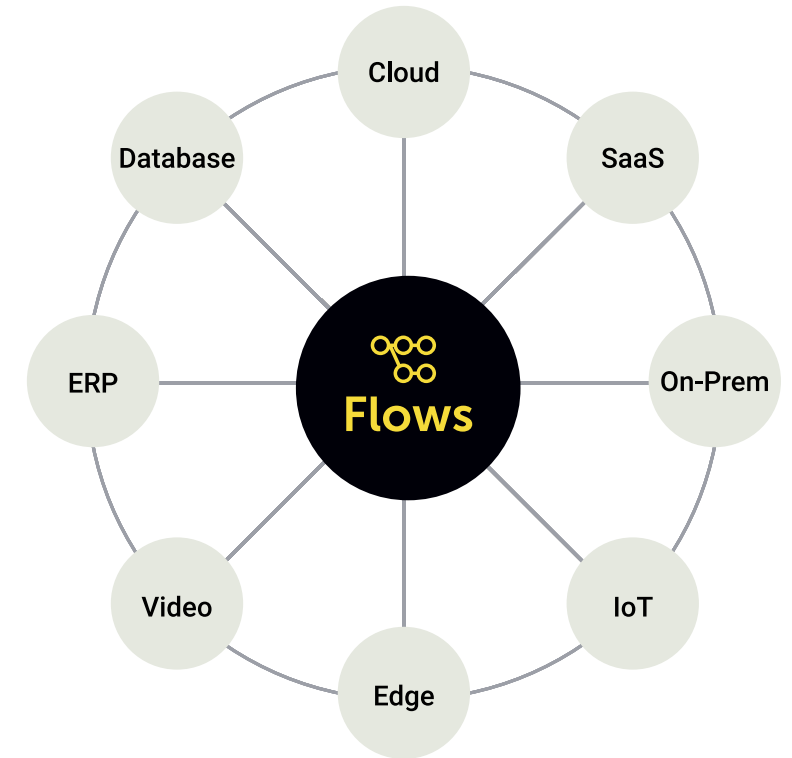


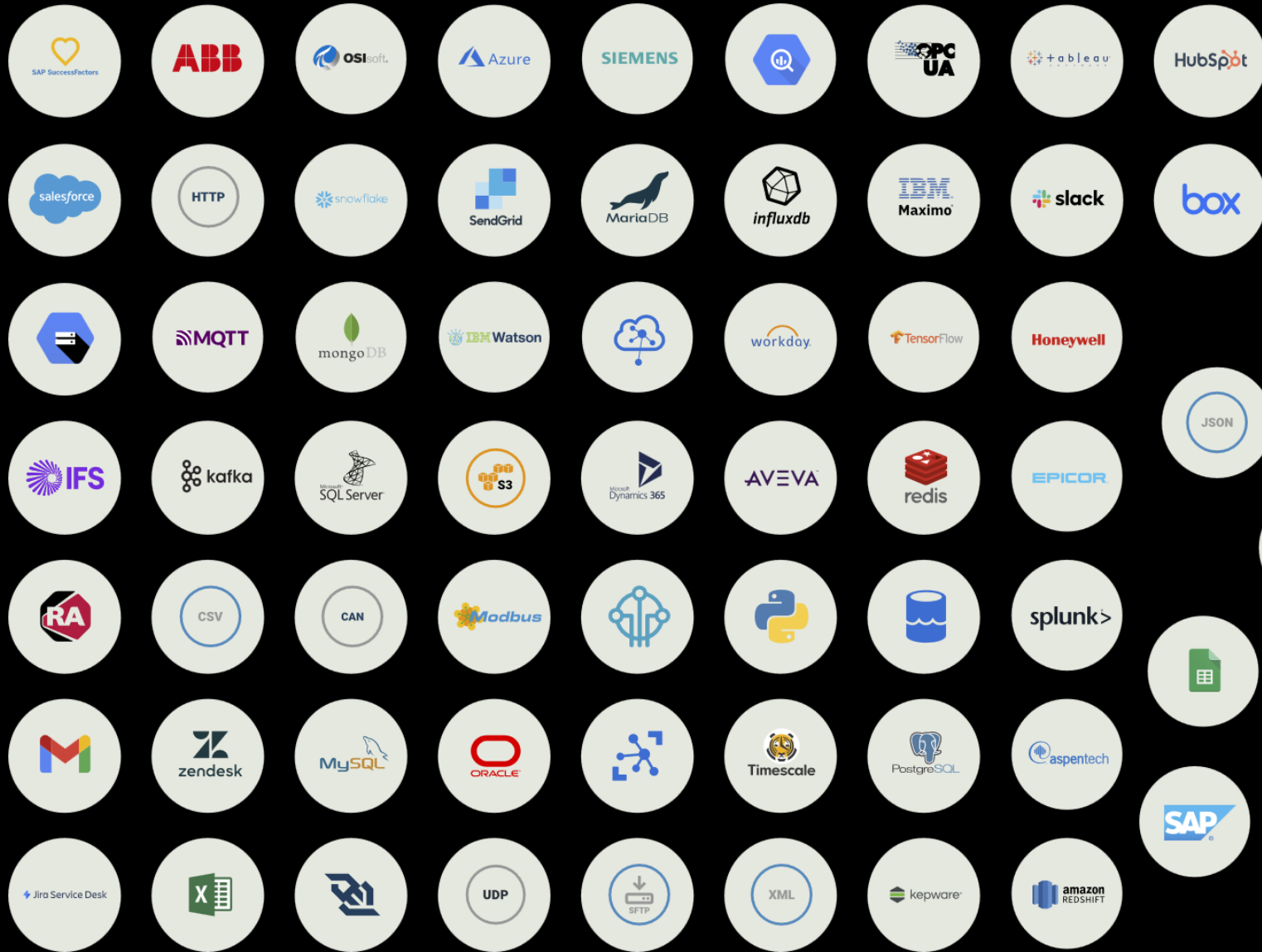
**For all modern integration, analytics & automation requirements**

- Industrial DataOps / Unified Namespace
- Edge Analytics
- Edge AI (distributed ML/AI Inference)
- Event Processing
- Stream Analytics
- Intelligent ETL/ELT
- Reversed ETL/Cloud-to-edge
- iPaaS - Integrations
- Automation Workflows & Advanced Logic
- Data Observability

# Flows integrate any system, in any direction

- Low Code Engine for ETL, Business Logic & Automation Engine
- Move data in and out of CONNECT and other AVEVA products without custom code
- Apply transformation, business logic, and automation at the point of integration



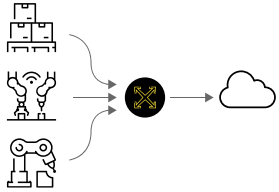


# Supports 800+ systems

Expand with  
Universal Connector  
Open SDK

# Highlighted use cases

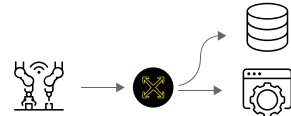
## Edge DataOps and Data Integration made easy.



### UNIFIED NAMESPACE & DATA TRANSFORMATION

Transform machine data to a common data model and deliver **ready-to-use data** to storage systems.

Reduce cloud cost with edge analytics and data pre-processing.



### FACTORY FLOOR INTEGRATION

- PLC & sensors
- Historians & SQL servers,
- MES, PLM, APM
- ERP systems

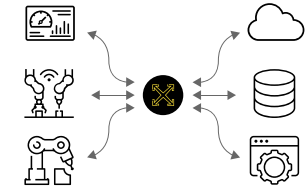
Break silos and implement use cases faster with low-code simplicity.



### EDGE AI POWERED SMARTNESS

Leverage OT data, Video or Audio feeds for

- anomaly detection
- quality control
- safety
- data driven automation and more.



### TOP FLOOR INTEGRATION

Integrate any data in real-time with intelligent automations:

- Edge to Cloud
- Cloud to Edge
- Cloud to Cloud
- SaaS to SaaS
- Horizontal On-premise
- 800+ supported systems

# Hybrid architecture

## Managed from CONNECT – Locally executed

### Centralized Management & Orchestration

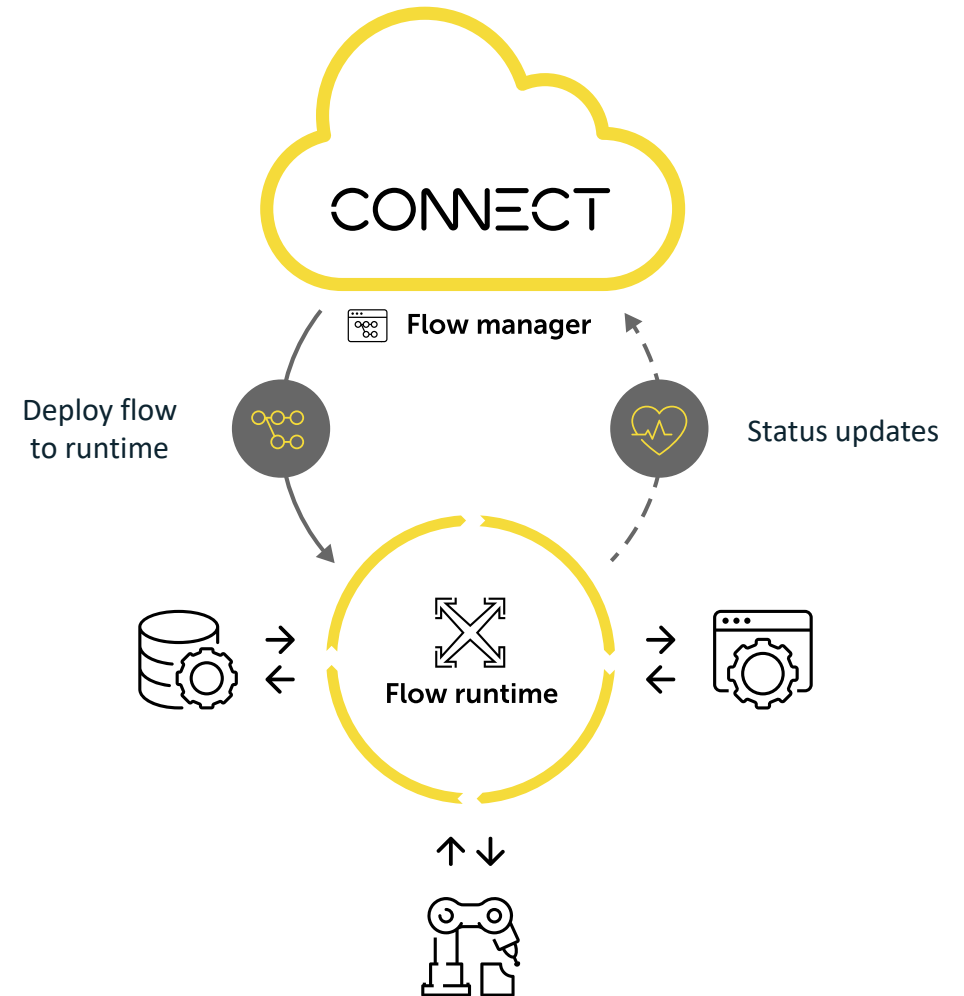
Flow manager – part of CONNECT

### Low Code Development & Testing

The flow studio – low code design of flows.

### Anywhere Execution

Flow runtime – local processing of all flows  
For edge, on-premise and cloud deployments.



# Flow manager - central management

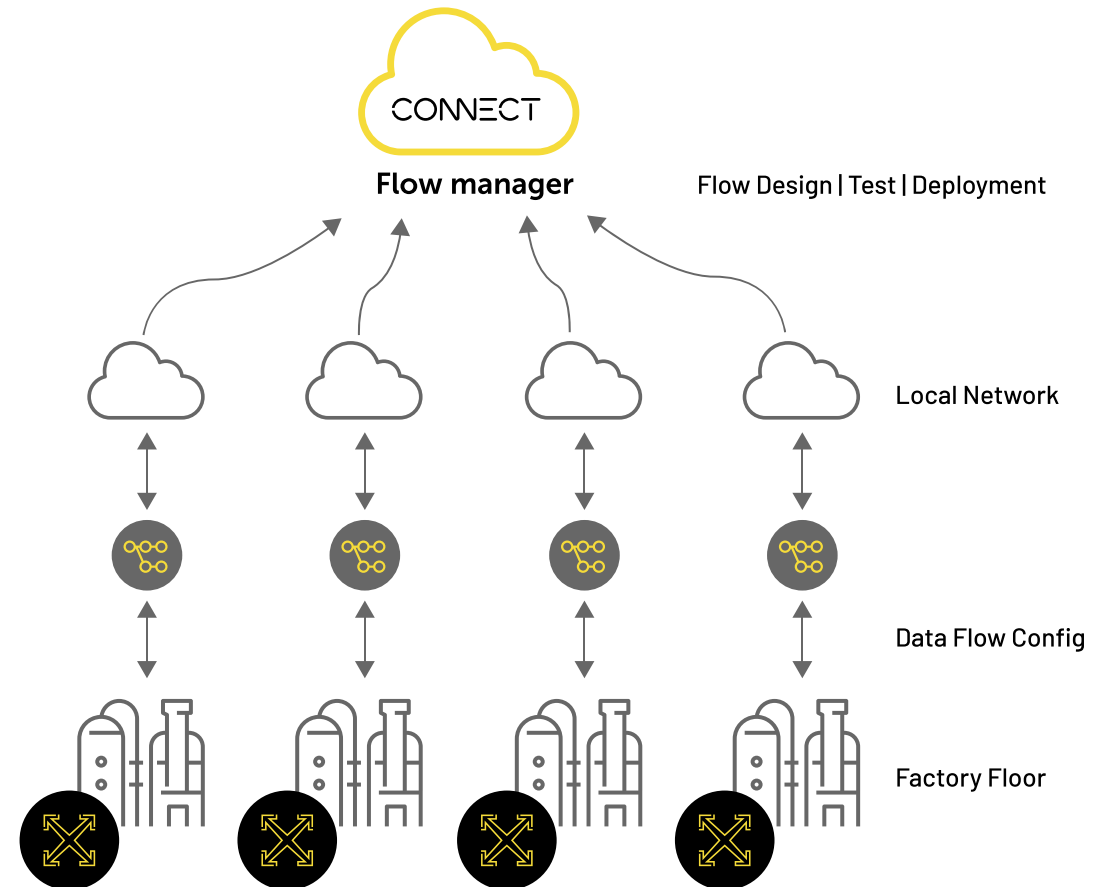
Build. Deploy. Monitor & Manage data pipelines from CONNECT

## Flow manager

- One-click Deployment
- Version Control
- Resource Library
- Credentials Vault
- Monitoring Dashboard

## Flow studio

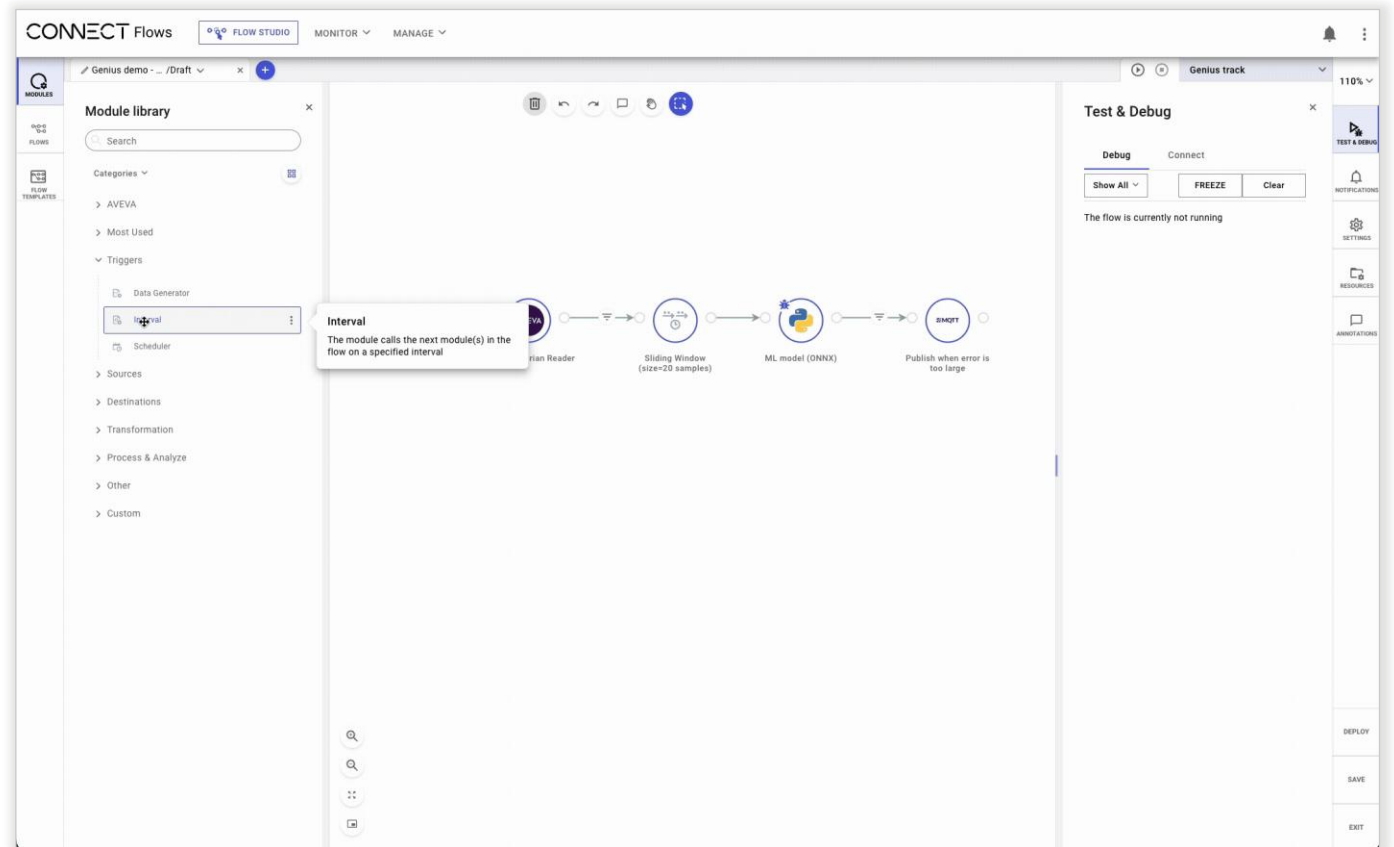
- Low Code Design
- Drag-and-Drop
- Module Library
- Flow templates



# Low code simplicity

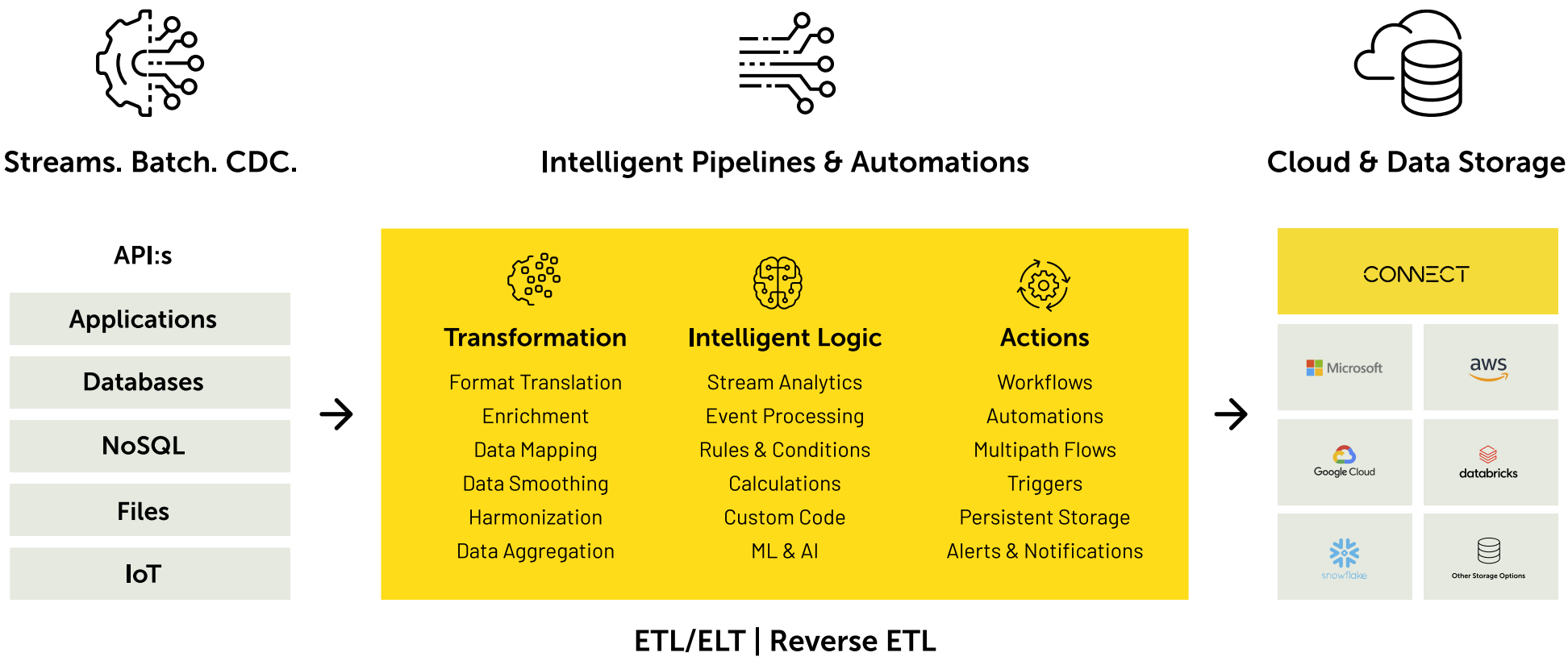
## Flow studio

- Drag-and-drop Innovation
- Pre-built modules
- Visual Design of flows
- Test & Verification with real data



# A toolbox for limitless innovation

Library of +200 modules to address any real-time intelligence & integration use case

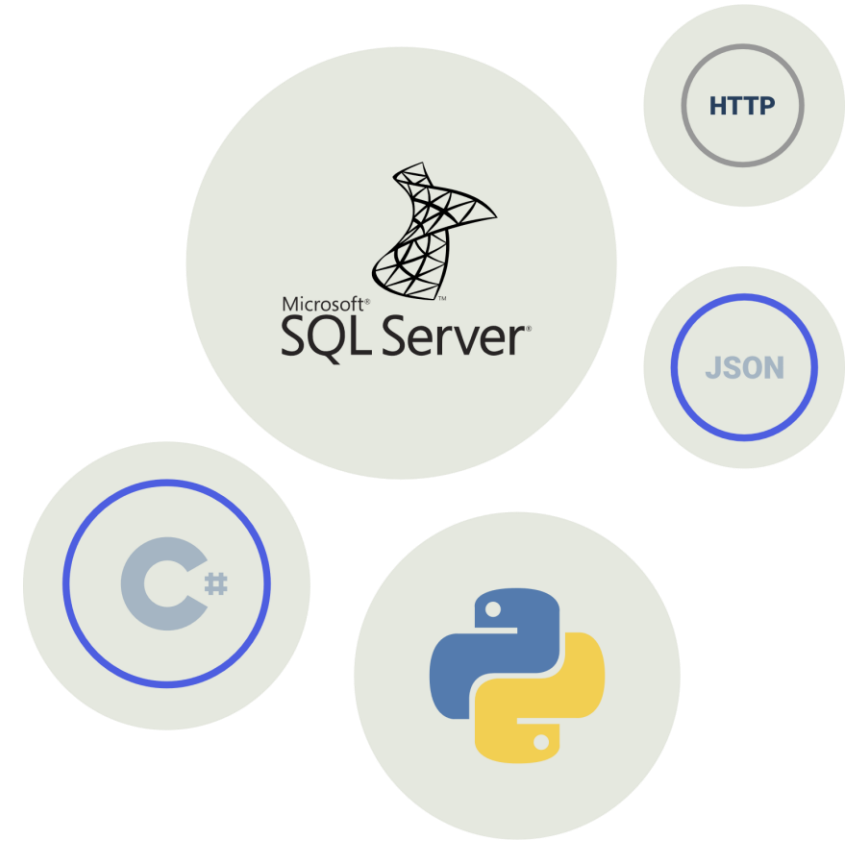


# Low code = Our code + Your code

## No limits for customization

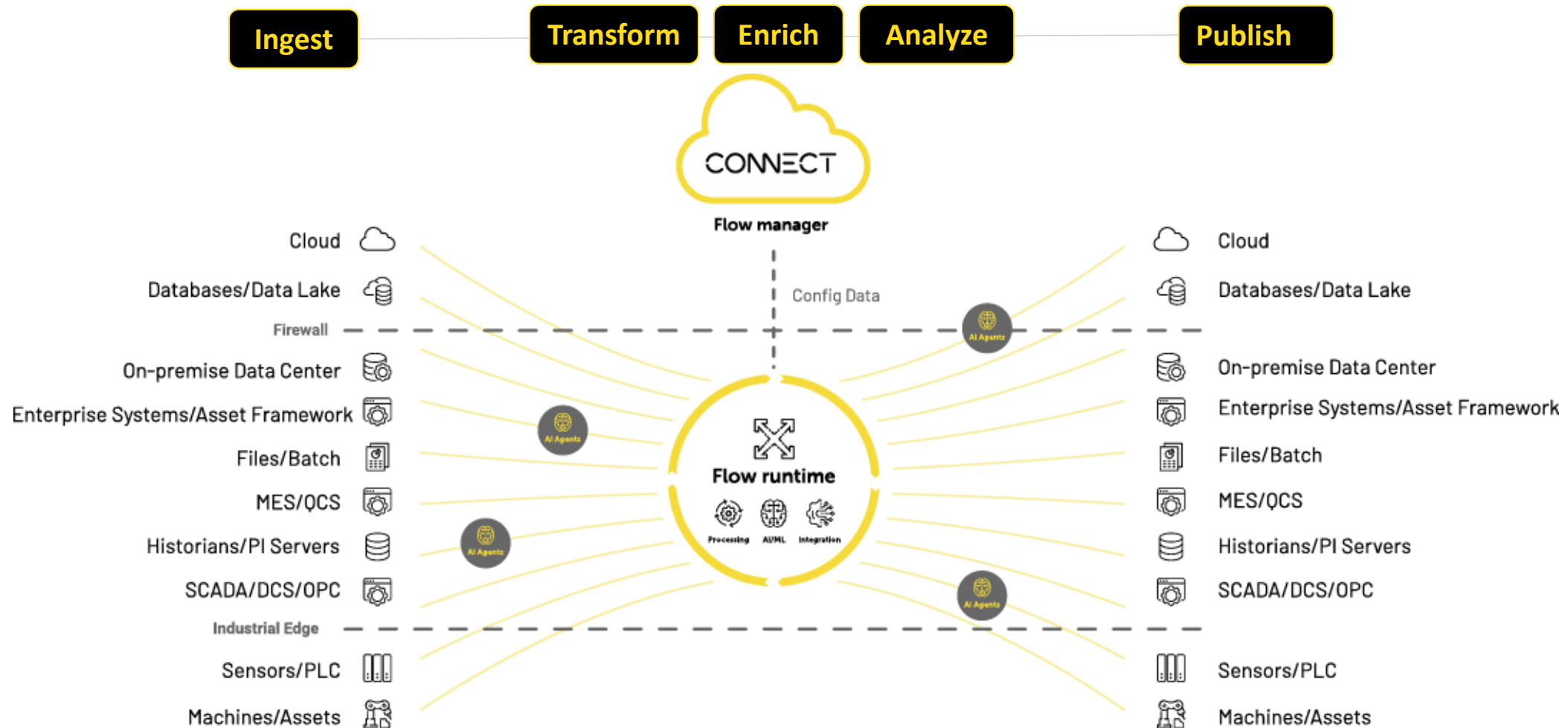
### Options

- **Code Modules**  
Support for C#, Python and JavaScript code that you can mix with the native modules.
- **SQL Modules**  
Write your own SQL statements, queries and code.
- **Bring your own AI**  
Run any Python ML/AI model in flows.
- **Universal Connector**  
Build connectors for any REST-API using a five-step wizard.
- **Open SDK**  
Build your own custom modules.

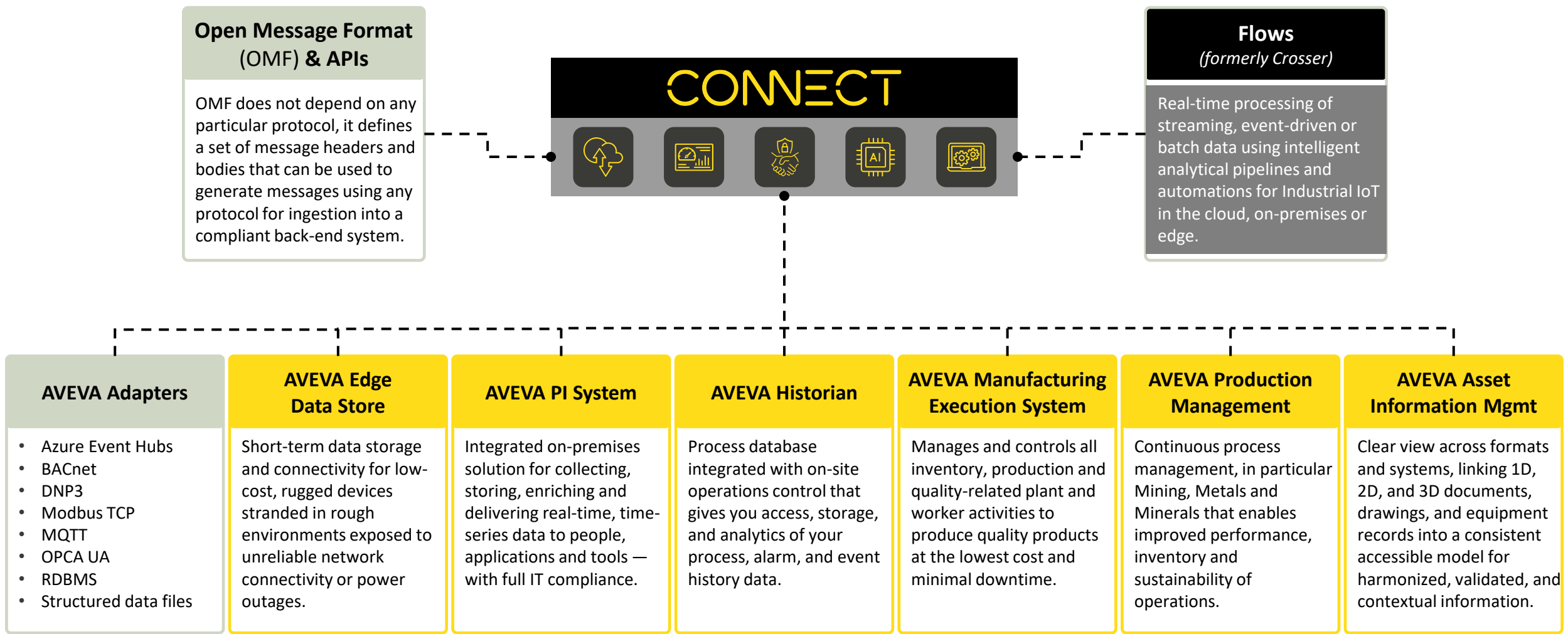


# Flows: any-to-any connectivity, managed from CONNECT

From historian tags to enterprise systems with processing applied at the source



# Getting industrial data to CONNECT



# Intelligent data integration, simplified

Real-time data integration. Edge AI. DataOps at scale. Built into CONNECT.



## **Any source, any direction**

Connect OT, IT, cloud, and enterprise systems with 800+ connectors. Move data in and out of CONNECT and across your entire stack without custom development.



## **Intelligence at the source**

Process, transform, and act on OT, ET and IT data anywhere. Reduce latency and run AI inference at the edge without compromising centralised visibility or control.



## **One platform, not another tool**

Flows are managed from CONNECT. That means a single pane of glass for orchestration, monitoring, and deployment - fully integrated into the industrial intelligence platform

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and experience some of the new  
capabilities coming this year.

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# CONNECT

# 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 at the CONNECT booths in the Innovation Zone**

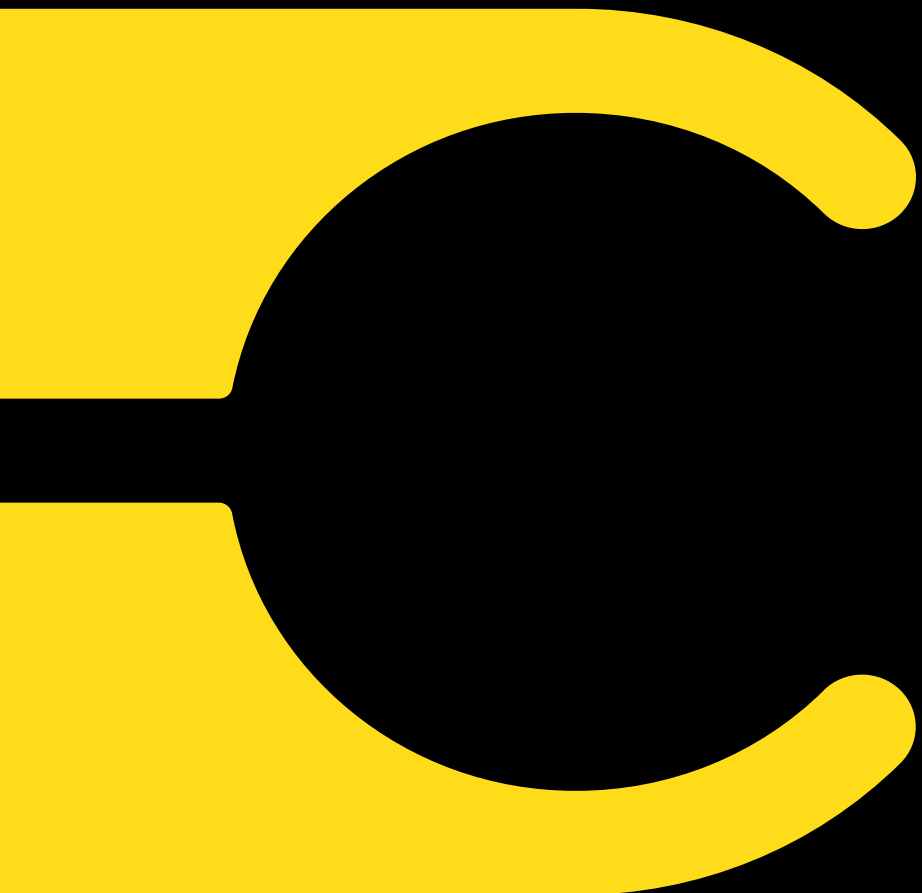
## Thank you!

# Upcoming CONNECT sessions

- **Visualizing Data with CONNECT: Industrial Awareness at Scale**  
Today, 5:00p – 5:30p, Amber 2
- **Agnico Eagle: From Analytics to Enterprise Intelligence: How Agnico Eagle Scaled CONNECT Across Mining Ops**  
Tomorrow, 10:30a – 11:00a, Amber 4
- **From Data to Decisions: Advanced Industrial Analytics and Machine Learning with CONNECT**  
Tomorrow, 09:45a – 10:15a, Brown 2
- **AVEVA AI: Empowering Decisions for the Next Industrial Era**  
Tomorrow, 10:30a – 11:00a, Brown 2
- **Plugging In: Integrating CONNECT with the Enterprise Data Stack**  
Tomorrow, 11:15a – 11:45a, Brown 2
- **Data Everywhere: Modern Edge-to-Cloud Connectivity (Roundtable)**  
Tomorrow, 11:15a – 12:00p, Amber 6

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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.

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