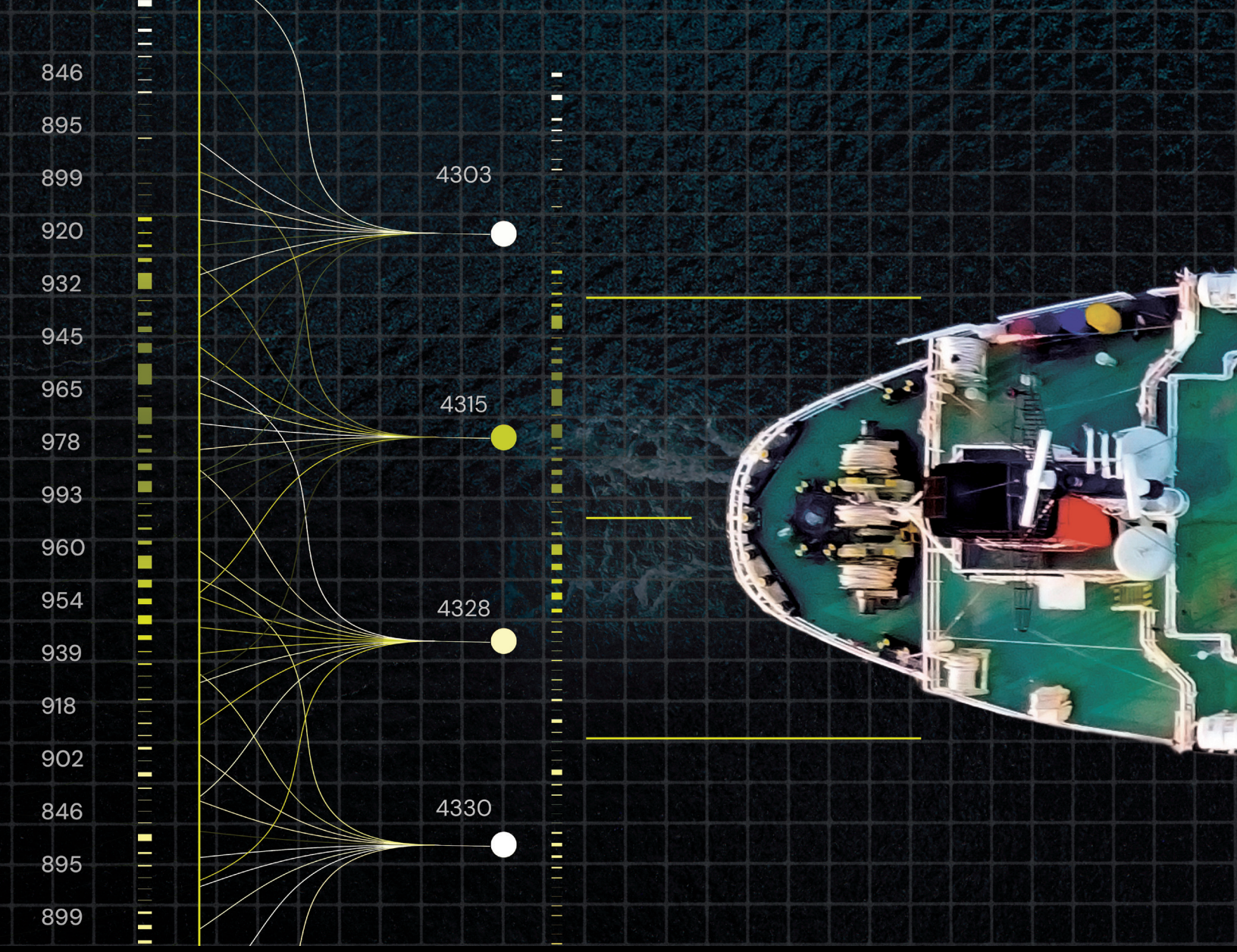
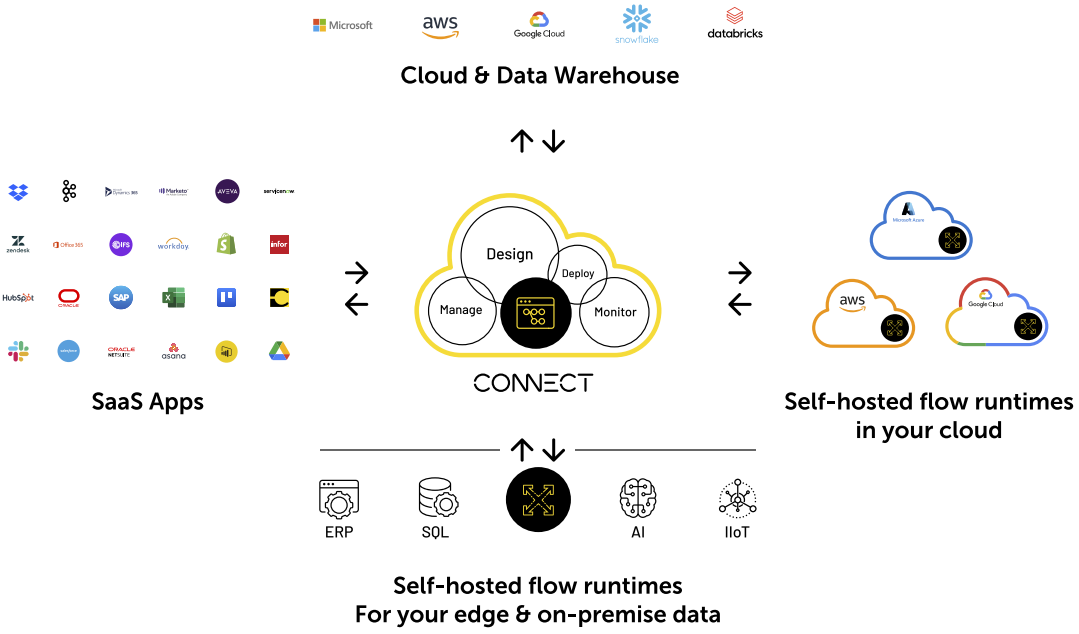



# Flows

**Real-time data processing pipelines for intelligence across edge, cloud and industrial systems.**

# Flows work on your data as it moves




**Flows connect to any source and routes data to any destination - cloud, on-premises, edge or CONNECT**

Industrial AI is reshaping what industrial operations can achieve. But its value depends entirely on one thing: data that is clean, contextualised and available in the moment it is needed.

Every industrial operation produces enormous amounts of that data. A temperature spike in a refinery, a pressure deviation in a water treatment plant, a quality variance on a food production line. These events generate data continuously.

The bottleneck is not volume. It is that by the time data reaches every system downstream — historians, AI models, ERPs, operators on the floor — it arrives raw, unconditioned and without the operational context needed to act. The gap is the absence of intelligence in the pipeline itself.

**Flows work on data as it moves through your industrial operations, enriching it, applying logic and conditioning it for AI. So when an alert fires or a model runs, the underlying data is already clean, contextualised and ready to act on.**

## What flows make possible

### For operations leaders

Act on asset events, process deviations and quality issues in the moment they occur, not after the fact.

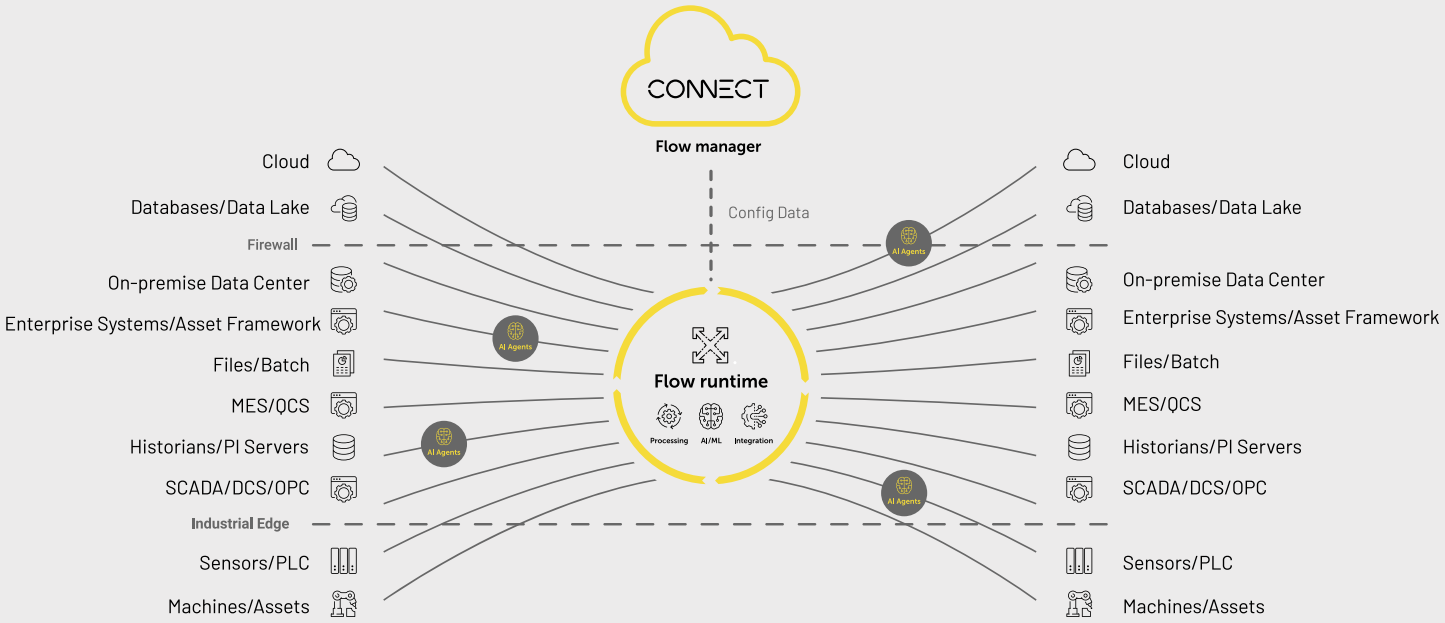
### For data engineers

Replace custom scripts and fragile integrations with a managed, low-code pipeline platform that connects 800+ systems out of the box.

### For CTOs and CIOs

A consistent, governed approach to real-time data across edge, on-premises and cloud, without building and maintaining custom infrastructure.

# How flows work




**Hybrid First**

With a truly hybrid approach, manage self-deployed runtimes from CONNECT with low-code simplicity.

**Integrate**

Pull data from 800+ sources - IoT, historians, SCADA, MES, ERP and cloud services.

**Transform**

Clean, enrich and reshape data in motion using no-code modules or low-code connectors.

**Analyze**

Apply business logic, run stream analytics and event processing in the pipeline.

**AI Inference**

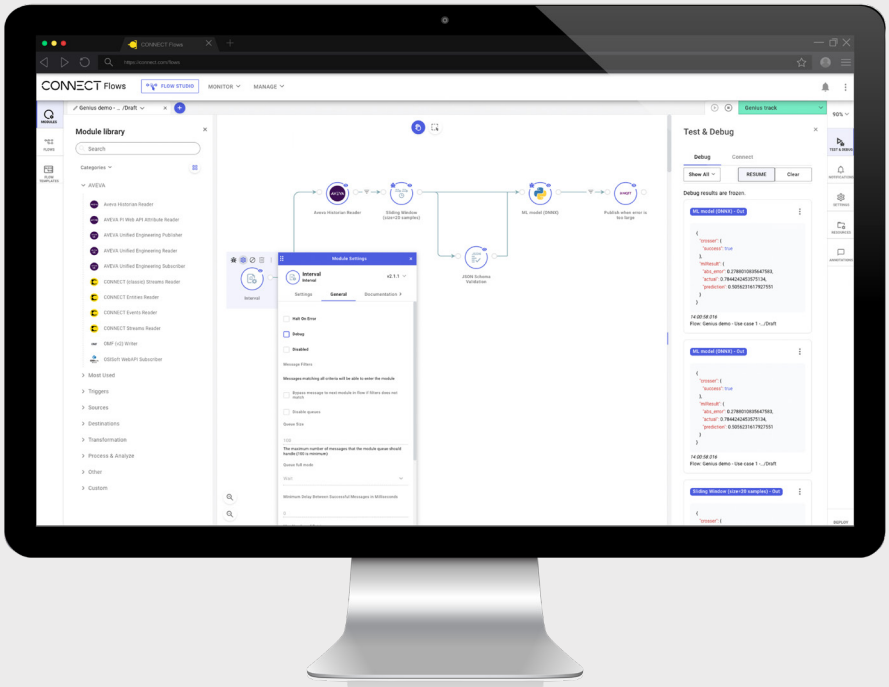
Run ML and AI model inference on live data-in-motion, including video and audio feeds.

## Apply business logic, run stream analytics and event processing in the pipeline




> Flows is a low-code data pipeline and data analytics capability for data in motion. It provides a modern data integration experience to ingest, prepare and transform data from a rich set of OT and IT data sources and has streaming analytics, event processing and AI inference capabilities to enable a wide range of use cases.

# How you build, manage and stay in control




**To learn more about flows, visit: connect.aveva.com**

## Flow studio

**Build with low-code simplicity**
Drag-and-drop environment to build integration, transformation and automation pipelines without riting code.

**Module library - Start faster with prebuilt blocks**
200+ prebuilt building blocks ready to connect, transform, enrich and route data from any source.

**Flow templates - Deploy proven use cases in minutes**
Start from templates built for common industrial integration and analytics scenarios.

**Monitoring - Stay in control across every site**
Track the health and quality of every flow, runtime and data stream from a single view within CONNECT.

CONNECT

**connect.aveva.com**

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2026-05