



AVEVA WORLD

ACCELERATE INDUSTRIAL INTELLIGENCE



MAY 21, 2026

Integrating CONNECT with the Enterprise Data Stack

Presented by:

Damien Rouge, Senior Technical Product Manager, AVEVA

Roberto Serrano, CONNECT Solutions Consultant, AVEVA

Damien Rouge

Senior Technical Product Manager

AVEVA

damien.rouge@aveva.com



Roberto Serrano

CONNECT Solutions Consultant

AVEVA

roberto.serrano@aveva.com



Agenda

Data Platform Integration Overview

Release train

Snowflake Integration

CONNECT Ecosystem

Every company wants to be ~~a data-driven company~~ an **AI-driven company**



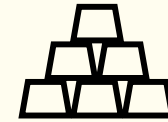
Challenge #1: **Data**



The AI challenge is
really a **Data** challenge

- 95% of pilot projects crash before take-off [...]
- Without data governance, AI is nothing more than a machine that produces illusions.

The GenAI Divide: State of AI in Business 2025, MIT



Data is the
new **gold**

- 68% of the data available to enterprises is unleveraged
- New data created each year is growing 26% YoY

The Seagate Rethink Data Survey, IDC



Challenge #2: **DataOps**

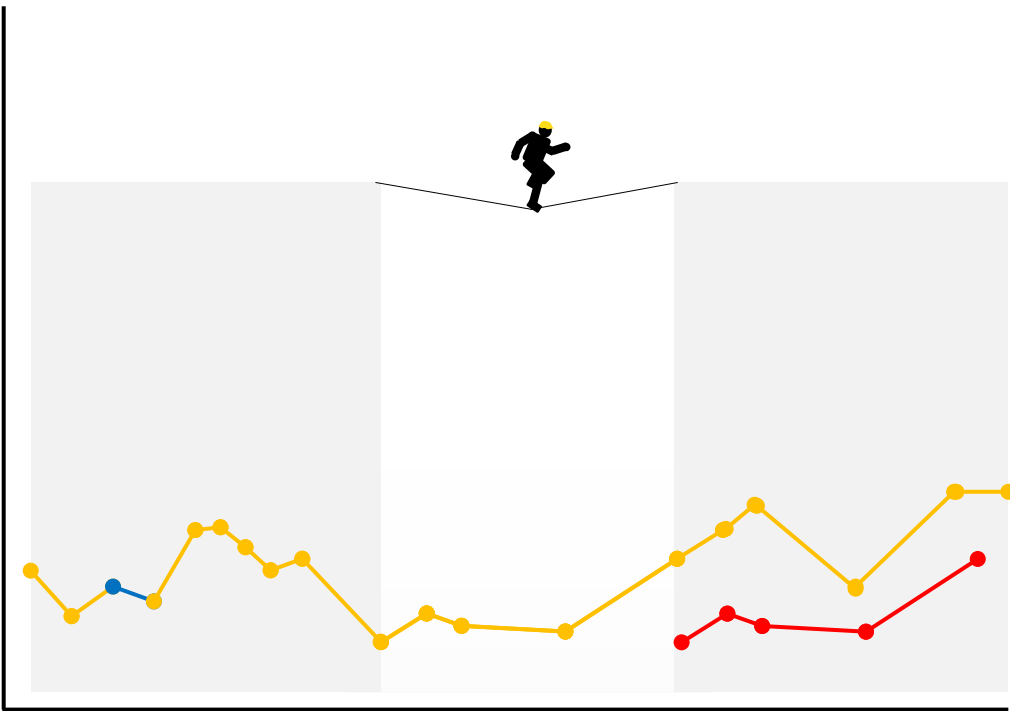


Technology is rarely the bottleneck.
Poor **architecture / operating model** is.

Challenge #1: late, modified, and out-of-order operations data

Mind the gap. Steep consequences

What OT systems have



What Enterprise IT systems need

Timestamp	Name	Bearing Temperature Value °C	Gearbox Bearing Temp Value °C
Apr 13, 2025, 7:00:00 AM	Wind Turbine 1	189.76889	73.63
Apr 13, 2025, 7:01:00 AM	Wind Turbine 1	189.76944	74.01
Apr 13, 2025, 7:02:00 AM	Wind Turbine 1	189.76999	73.84
Apr 13, 2025, 7:03:00 AM	Wind Turbine 1	189.77054	73.67
Apr 13, 2025, 7:04:00 AM	Wind Turbine 1	189.77109	74.37
Apr 13, 2025, 7:05:00 AM	Wind Turbine 1	189.77164	73.8
Apr 13, 2025, 7:06:00 AM	Wind Turbine 1	189.77217	73.825005
Apr 13, 2025, 7:07:00 AM	Wind Turbine 1	189.77272	73.850006

Challenge #2: DataOps – seamless IT/OT continuity



High maintenance and brittleness

Integration becomes a sprawl of point solutions per source and per destination platform



Slow time-to-insight

Custom data pipelines and high data engineering efforts make every data project an integration marathon



Critical OT systems at risk

Industrial data is hard to access due to restricted infrastructures and complex OT environments.



Low data quality and integrity

Ensure the data remains accurate, validated, and trustworthy as industrial sources evolve

Challenge #2: DataOps – seamless IT/OT continuity



High maintenance and brittleness

Integration becomes a sprawl of point solutions per source and per destination platform



Slow time-to-insight

Custom data pipelines and high data engineering efforts make every data project an integration marathon



Critical OT systems at risk

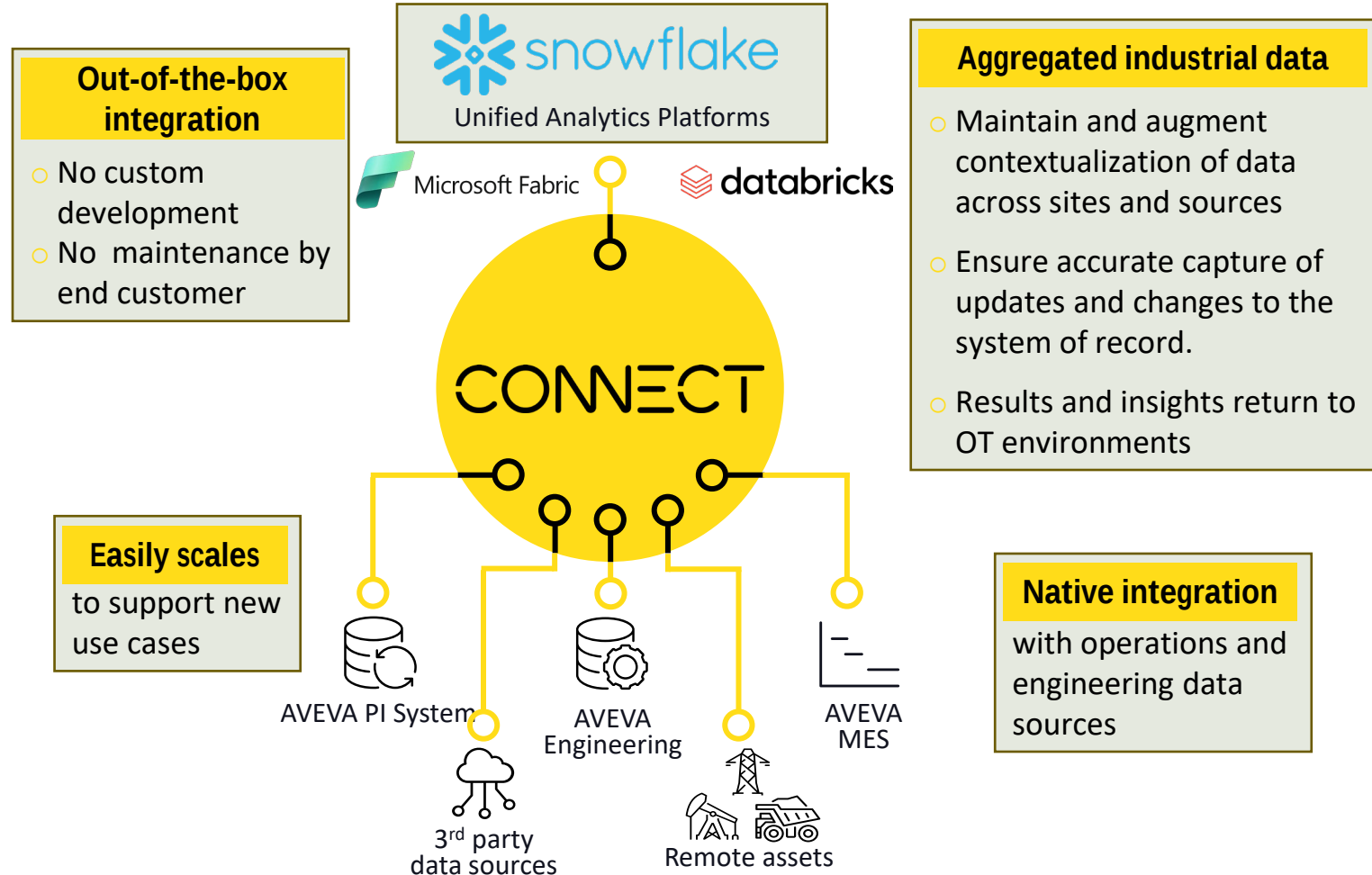
Industrial data is hard to access due to restricted infrastructures and complex OT environments.



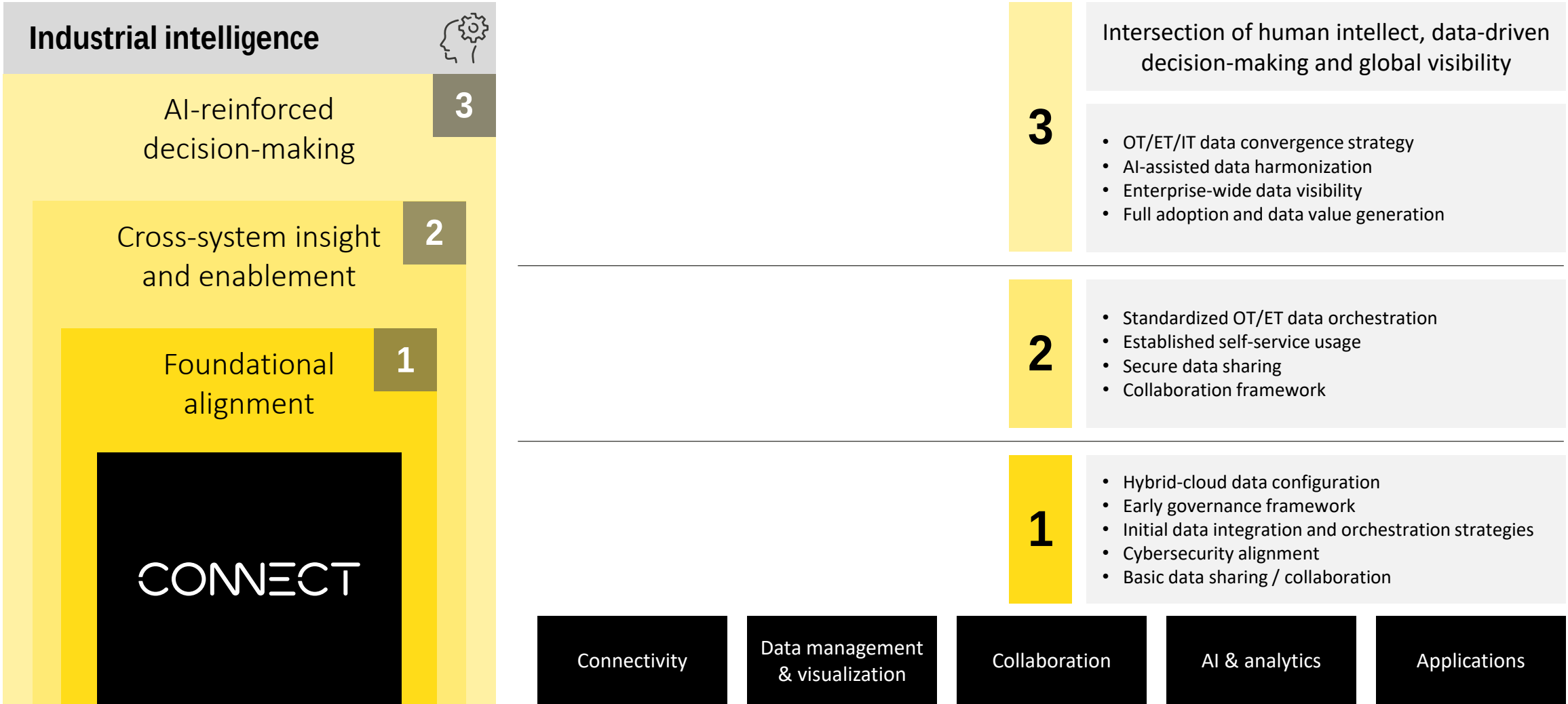
Low data quality and integrity

Ensure the data remains accurate, validated, and trustworthy as industrial sources evolve

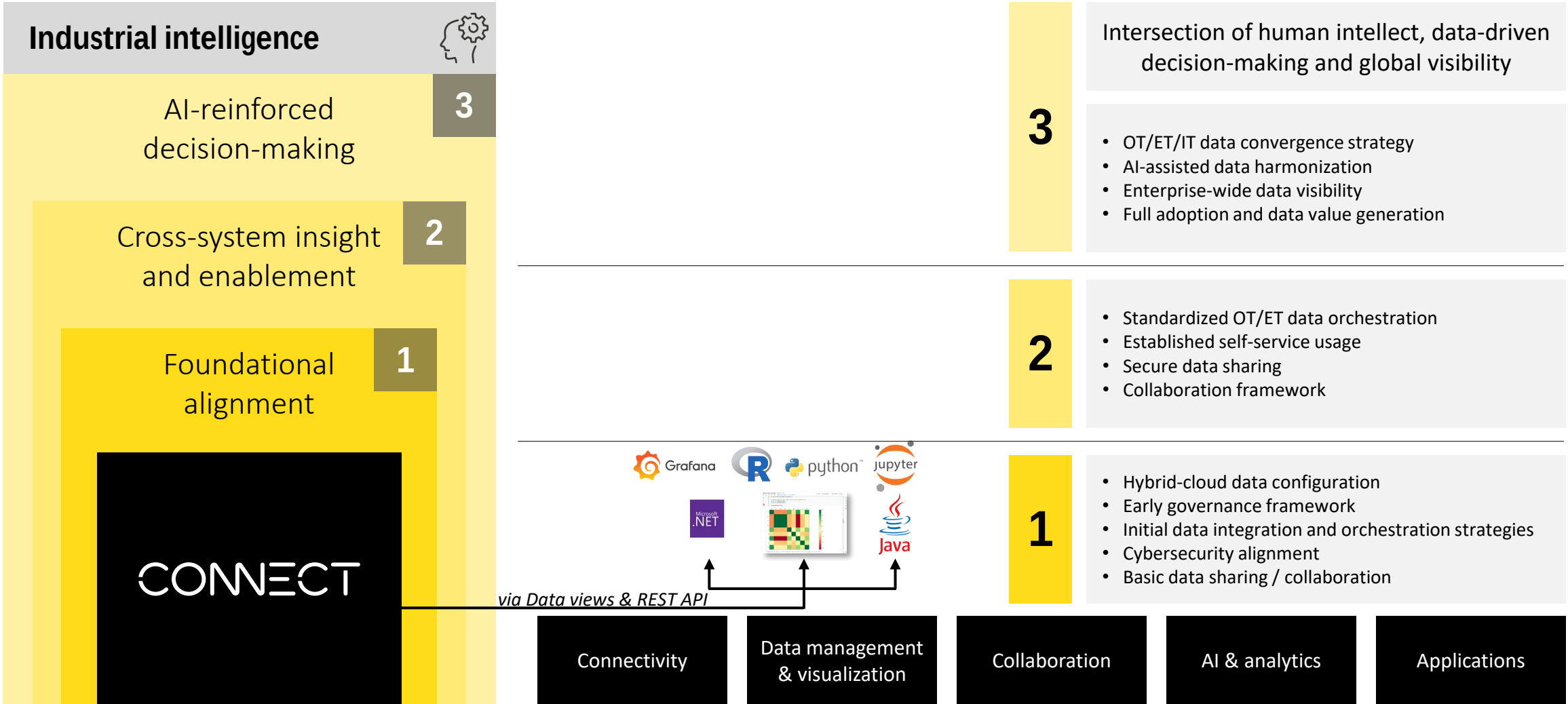
Seamless Integration



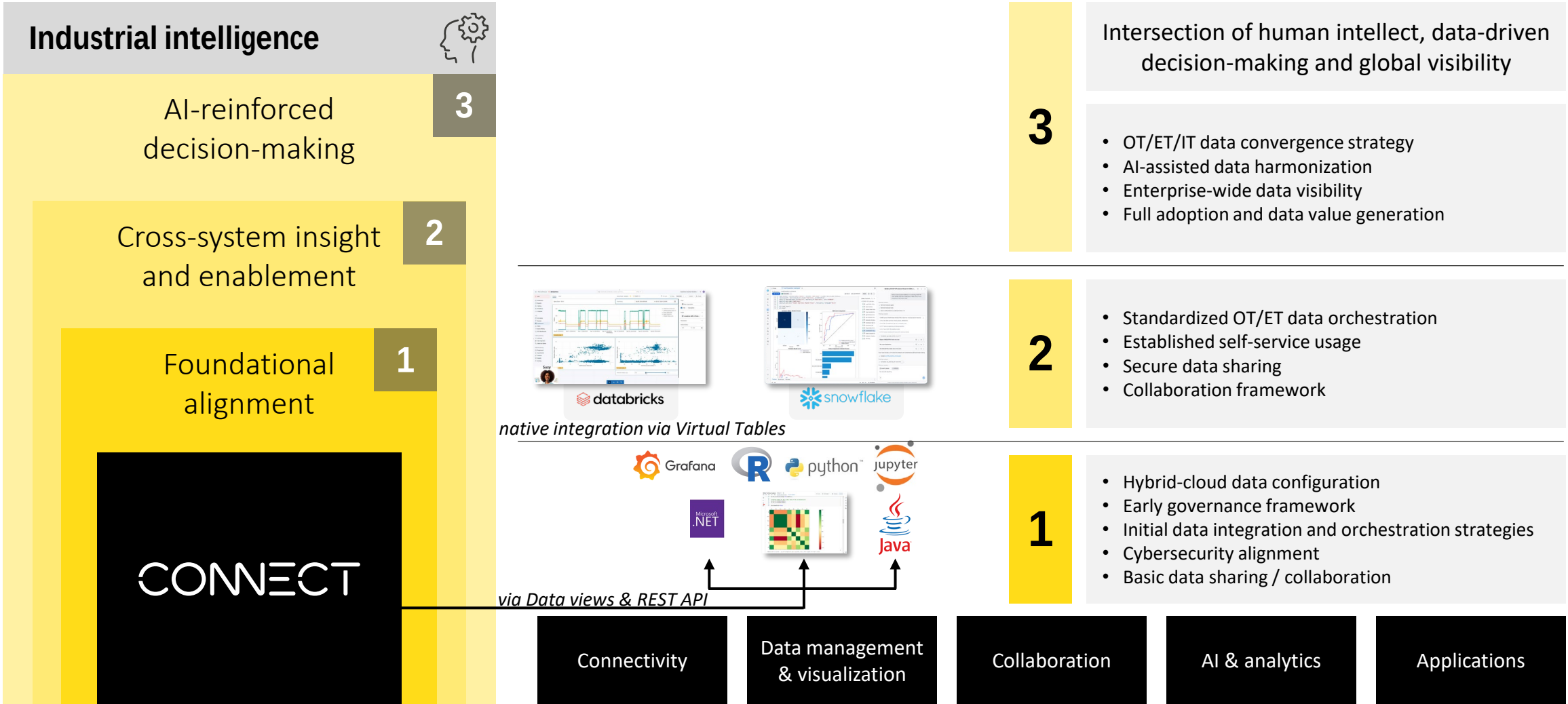
The journey continues – ultimate agnosticity



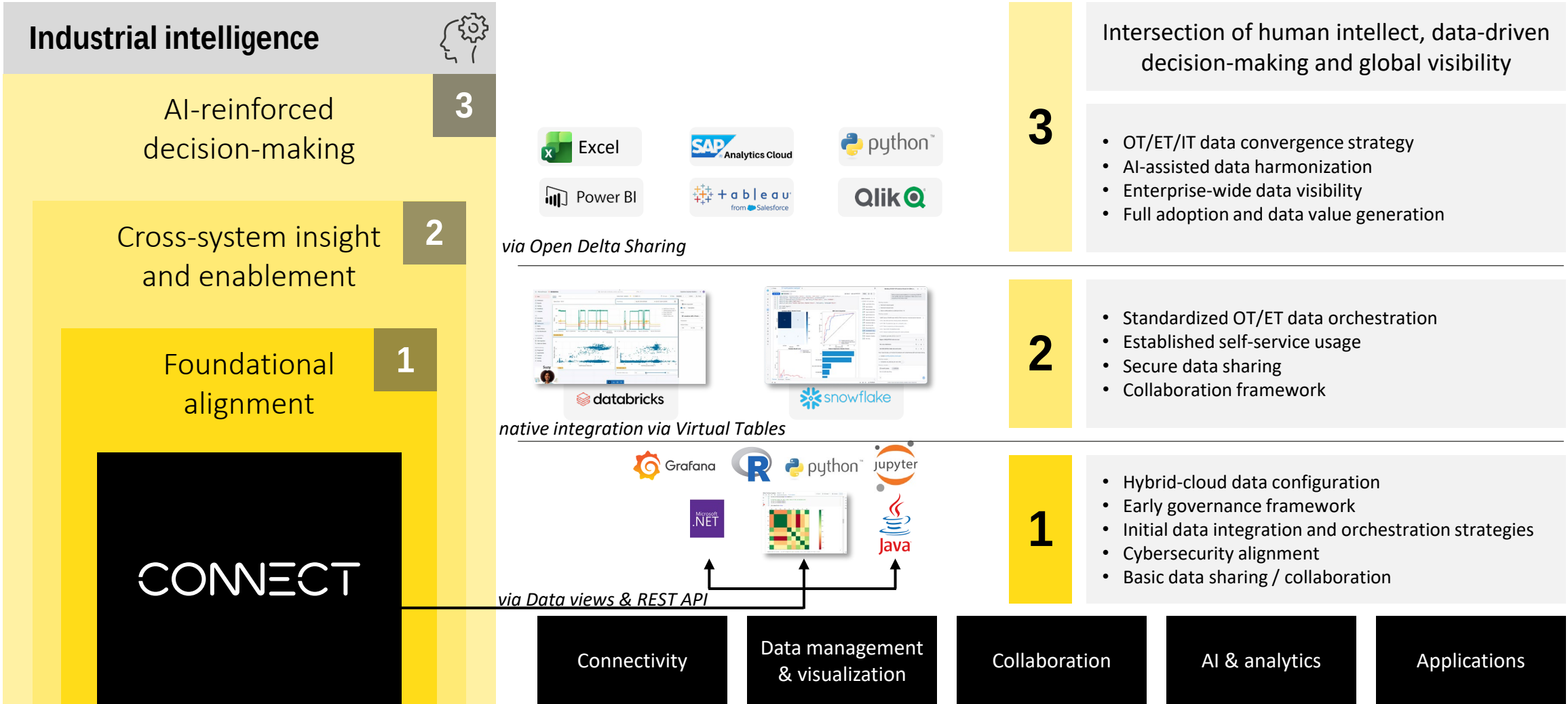
The journey continues – ultimate agnosticity



The journey continues – ultimate agnosticity



The journey continues – ultimate agnosticity



Existing Lighthouse Program Engagements

Customers already utilizing Virtual Tables



Mobile Fleet

Fuel Efficiency & Maintenance
Reduction

Reduced Data preparation
time from weeks into days



Energy Transportation

Supporting daily and weekly
production targets

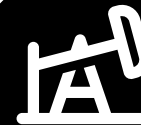
Enabled a reliable data
pipeline to support optimal
production planning



Renewable Energy

Optimizing uptime, production and
architecture

Accelerated path to value by
reducing implementation
time through a solution that
will scale with their roll-out

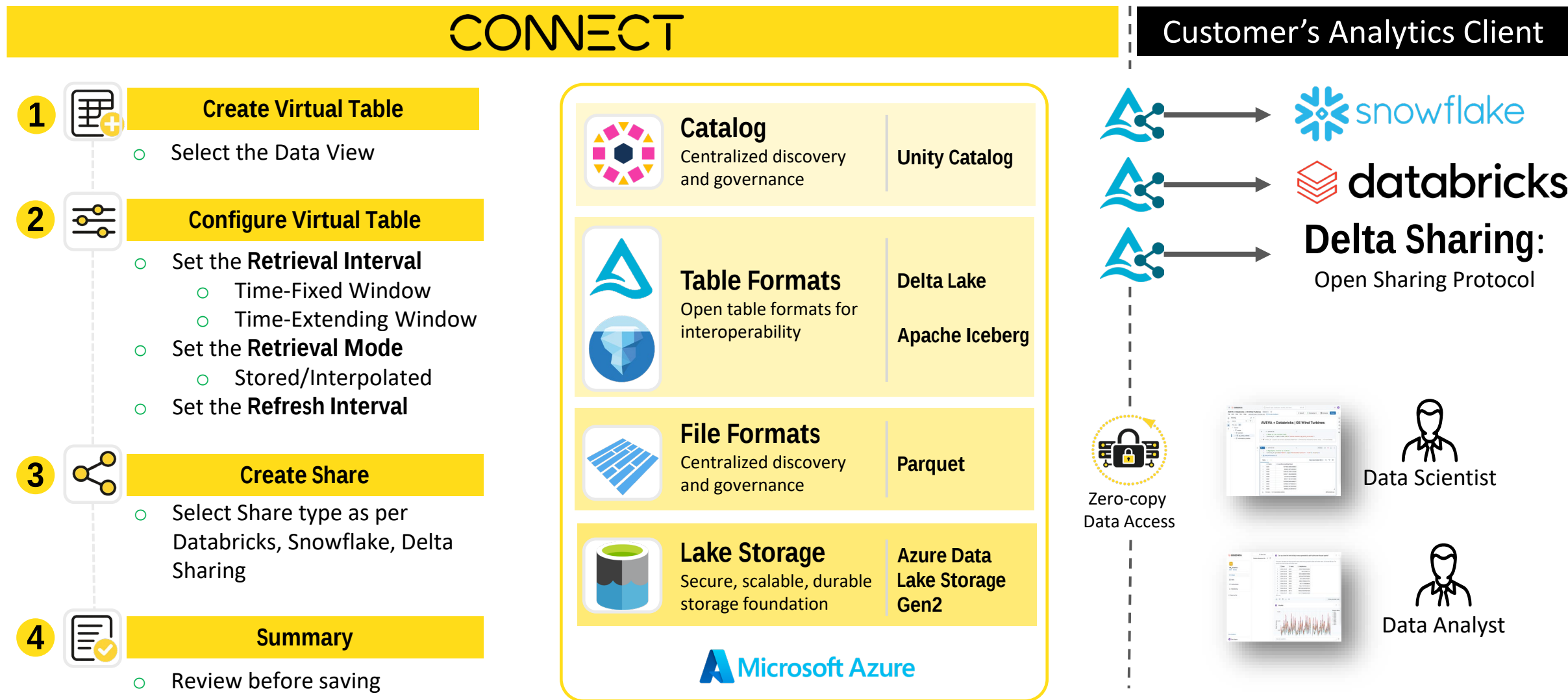


Oil & Gas

Ensuring asset health
for critical equipment

Replace existing PI-based,
fragile and complex
integration, reducing
performance concerns and
single points of failure

Point-and-click integration workflow



Delta Sharing: Open Sharing Protocol

The Open Standard for Cross-Platform Data Access

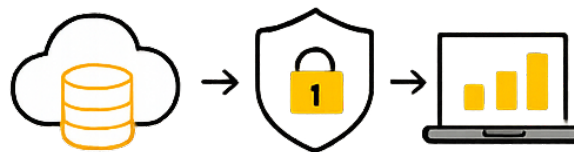
• What It Is

- Open protocol for secure data sharing
- Works across clouds, regions, and tools
- Supports Delta Lake & Iceberg
- Part of the modern data ecosystem



• How It Works

- Data stays in cloud storage (Parquet)
- Access via secure endpoints + tokens
- Query remotely (zero-copy)
- No ingestion, no ETL, no duplication



• Why It Matters

- Breaks down data silos
- Cuts infrastructure & pipeline costs
- Faster time-to-insight
- Works with any BI / AI / analytics tool
- Built on an open, future-proof standard



Delta Sharing is the data access layer of the modern data stack - connecting storage to any analytics engine, without friction.

CONNECT Virtual Table Integration with Snowflake

Streams: AWC26 - Data Stores

Change instance

Go to Data store page

AWC26_-_Data_Stores

Copy ID

Streams

Stream types

Search for streams...

Create stream

	Id	Description	Stream type
☐	PI_AZEUWCDSPPIDA_479		PI-Float64
☐	PI_AZEUWCDSPPIDA_480		PI-Float64
☐	PI_AZEUWCDSPPIDA_481		PI-Float64
☐	PI_AZEUWCDSPPIDA_482		PI-Float64
☐	PI_AZEUWCDSPPIDA_483		PI-Float64
☐	PI_AZEUWCDSPPIDA_578		PI-Float64
☐	PI_AZEUWCDSPPIDA_577		PI-Float64
☐	PI_AZEUWCDSPPIDA_485		PI-Float64
☐	PI_AZEUWCDSPPIDA_488		PI-Float64
☐	PI_AZEUWCDSPPIDA_490		PI-Float64
☐	PI_AZEUWCDSPPIDA_484		PI-Float64
☐	PI_AZEUWCDSPPIDA_581		PI-Float64
☐	PI_AZEUWCDSPPIDA_580		PI-Float64
☐	PI_AZEUWCDSPPIDA_579		PI-Float64
☐	PI_AZEUWCDSPPIDA_493		PI-Float64
☐	PI_AZEUWCDSPPIDA_494		PI-Float64
☐	PI_AZEUWCDSPPIDA_6514		PI-Float64
☐	PI_AZEUWCDSPPIDA_5459		PI-Float64
☐	PI_AZEUWCDSPPIDA_5455		PI-Float64

Terms (e.g. Pump*)

Term

Equals

Term

Term*

Starts with

Term

*Term

Ends with

Term

Term

Contains

Term

Filters (e.g. name:Pump*)

id:

Stream Id

name:

Stream Name

description:

Stream Description

typeid:

Stream Type Id

metadataKey:

Stream Metadata

(help)

Operators (e.g. name:Pump* AND id:Sensor01*)

AND

NOT

OR

Multiple Terms (e.g. Pump* OR "Air Valve"*)

Term1 Term2

Term1 OR Term2

"Term1 Term2"

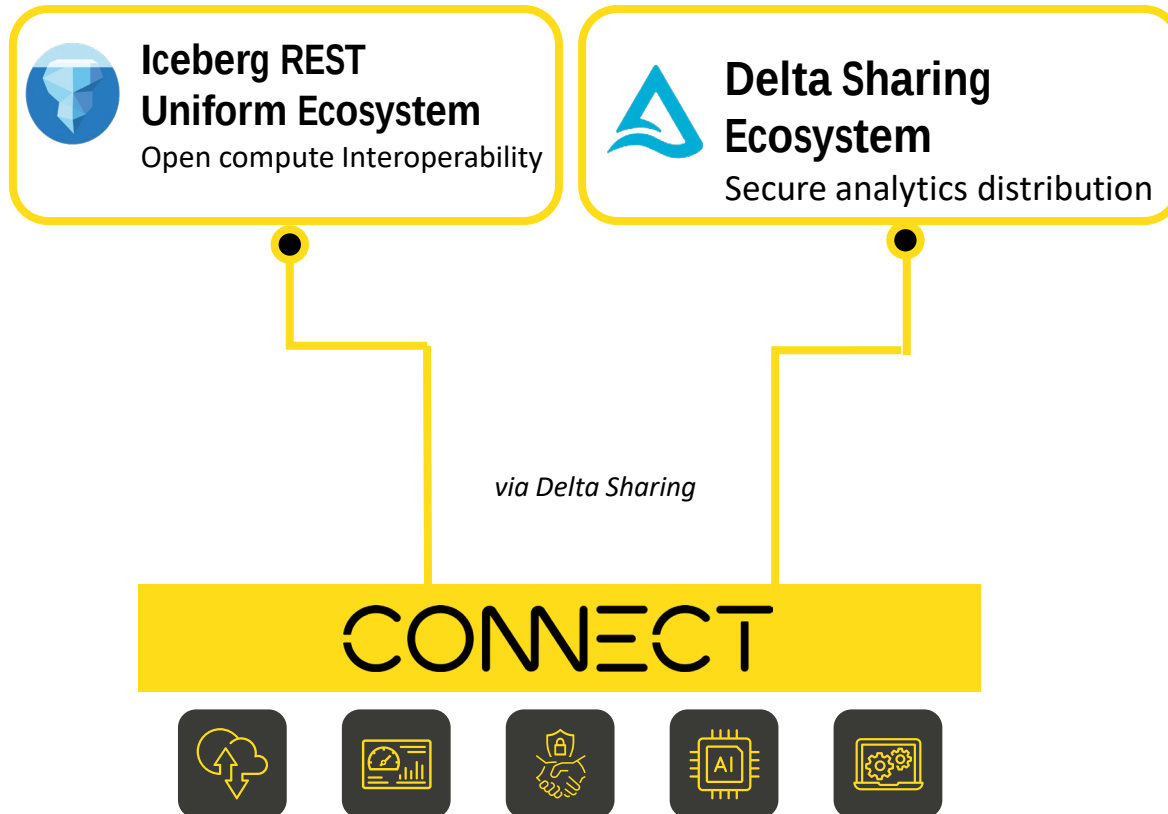
Term1 Term2

For more ways to query, see the [help page](#)

Unlocking the CONNECT Ecosystem

Enterprise Data Integration for BI, Analytics, Open Compute

Open interoperability through Delta Sharing and Iceberg REST



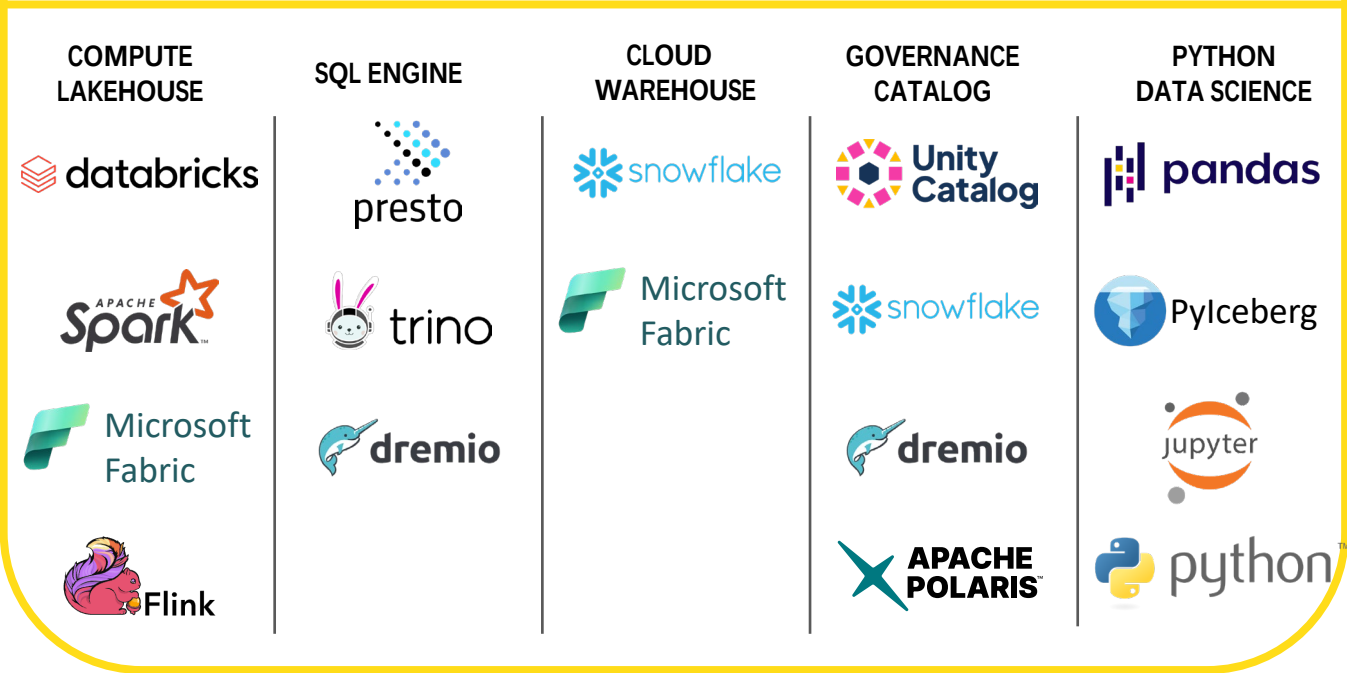
- CONNECT exposes governed industrial data via Open Delta Sharing
- Governed industrial data through open standards
- One source, multiple analytics consumers
- **Open architecture** - no vendor lock-in
- **Zero-copy** access to Parquet data in ADLS Gen2
- Compatible with Power BI, Tableau, **Snowflake**, **Databricks**, **Fabric**, Python, and more
- Secure token-based sharing and centralized governance
- Trusted, consistent data across all analytics platforms
- Accelerates BI, analytics, and AI workflows

Unlocking the CONNECT Ecosystem



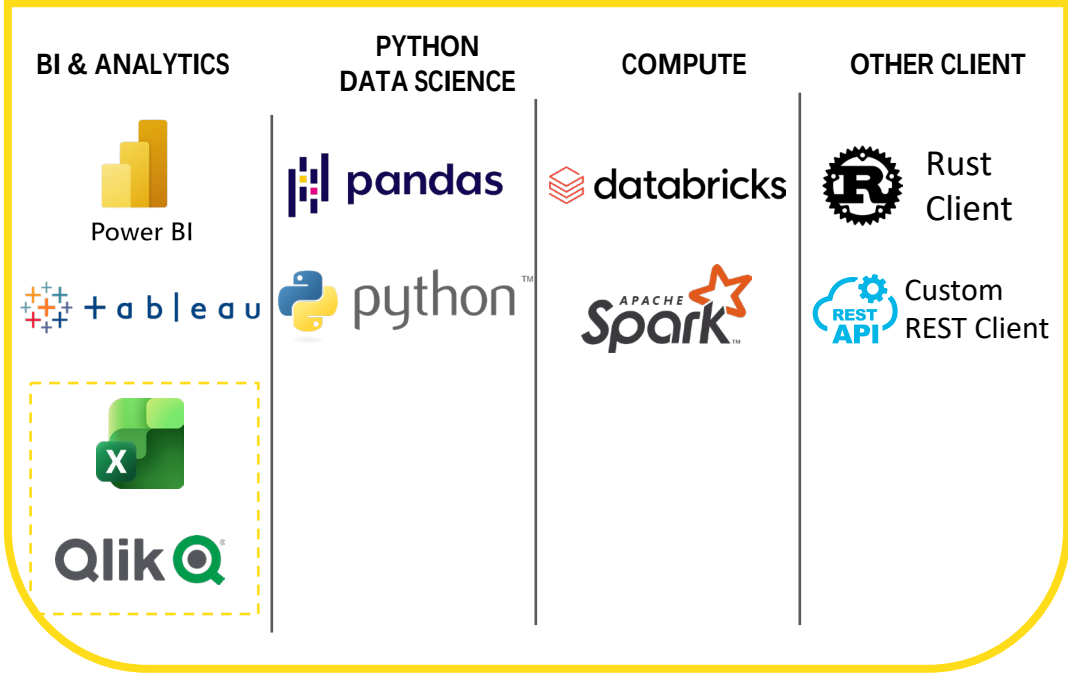
Iceberg REST / Uniform Ecosystem

Open compute Interoperability



Delta Sharing Ecosystem

Secure analytics distribution



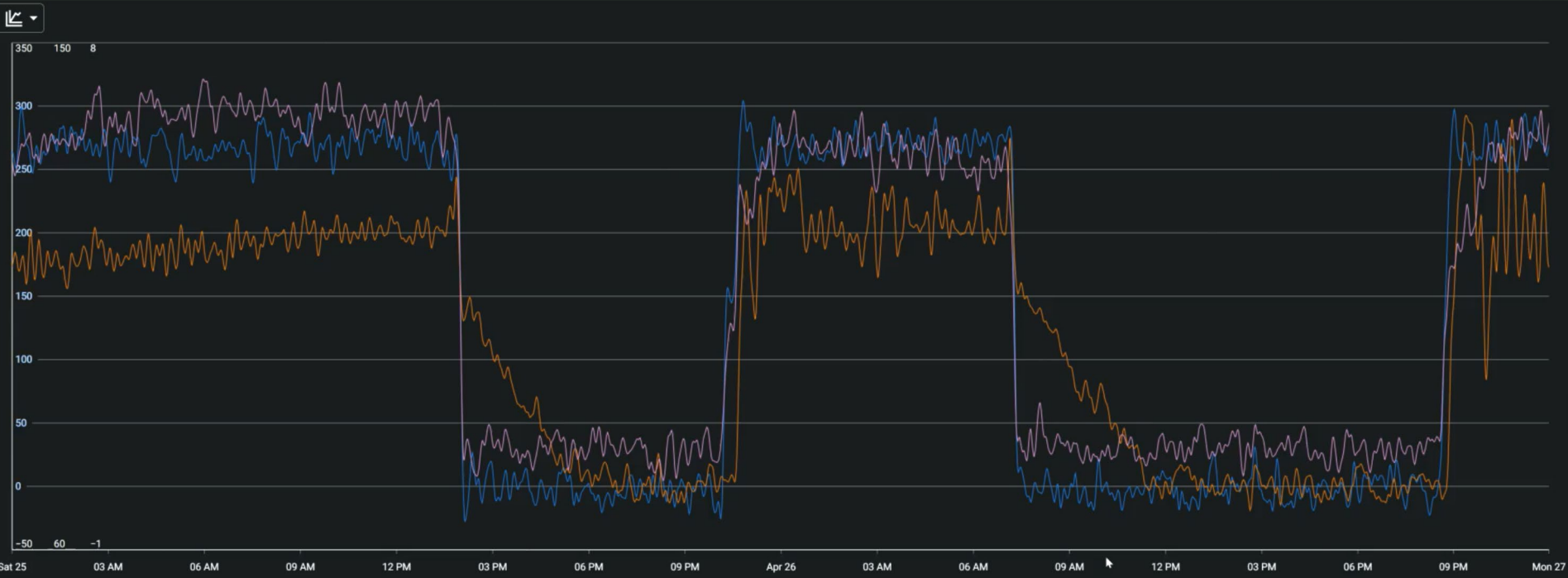
CONNECT



- Home
- Applications
- Explore
- Browse
- Create
- Connections
- Stores
- Modeling
- Access
- Account
- Configure
- Developer tools
- Marketplace

Trend

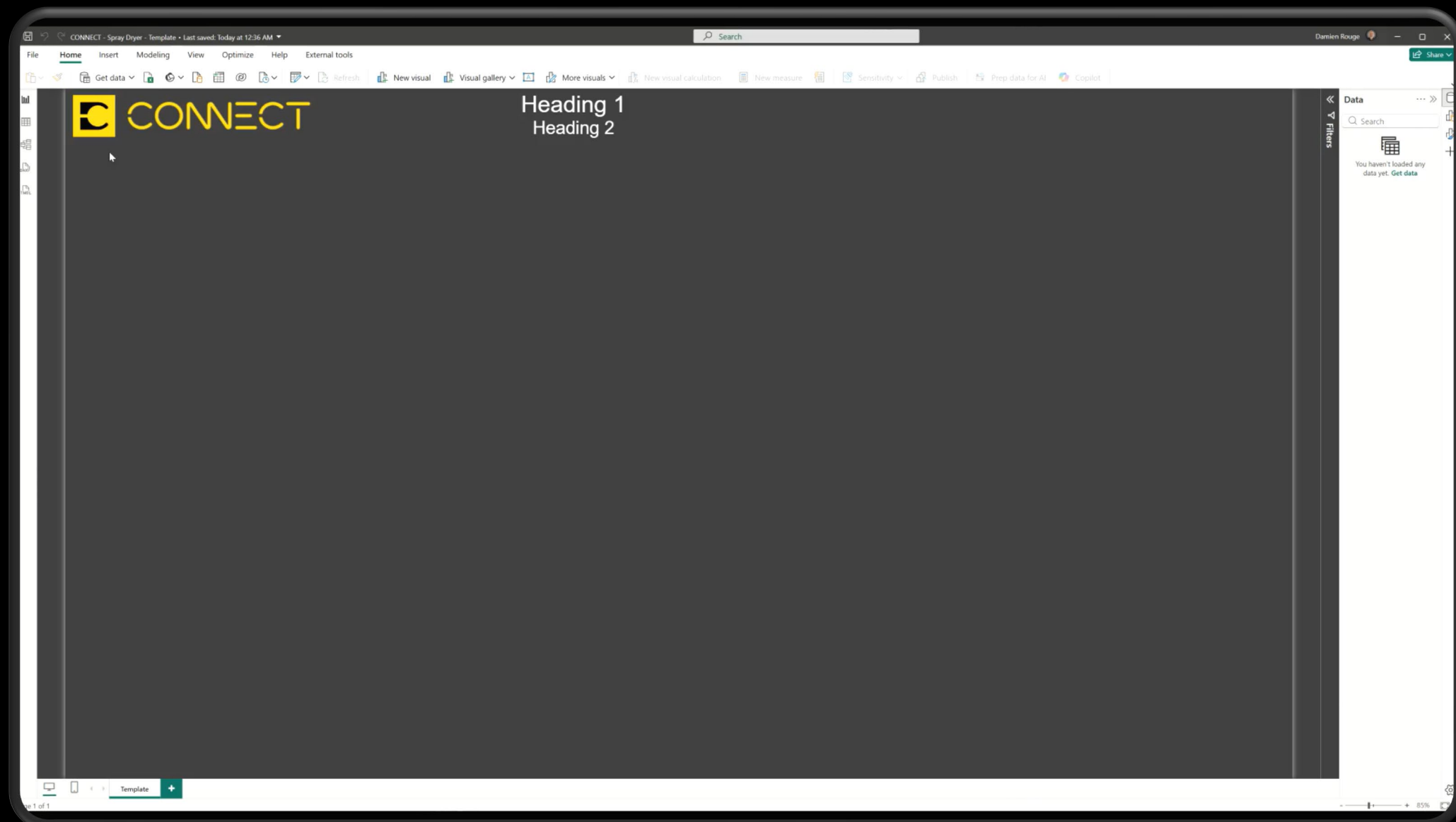
Streams Store: AWC26 - Data Stores [Change instance](#)

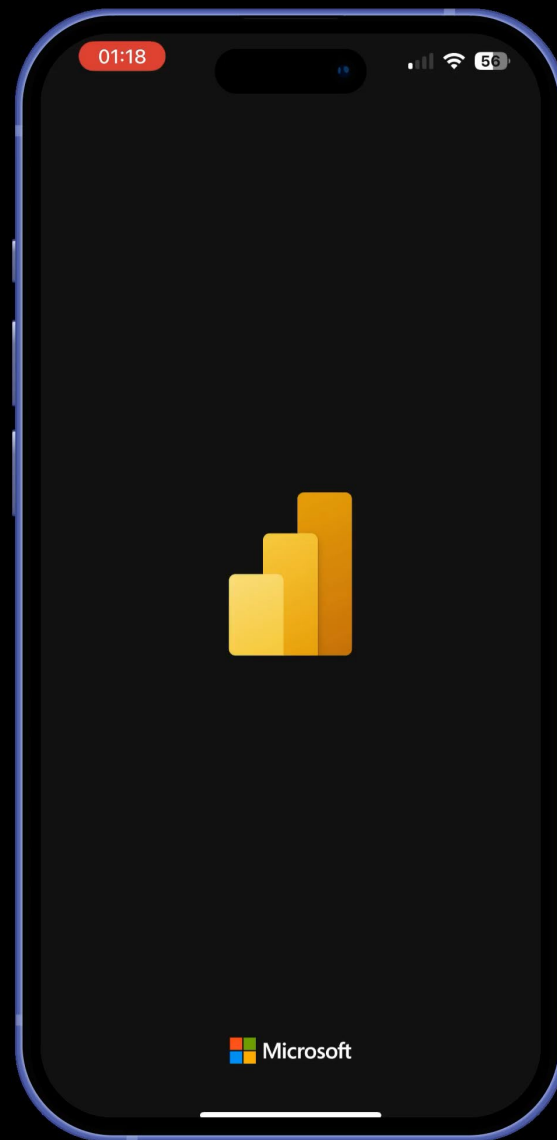


Apr 25, 2026, 12:00:00 AM to Apr 27, 2026, 12:00:00 AM

☒	Name	Timestamp	Value	UOM	Min	Max	Avg	Total	
☒	Dryer03.Motor.Power.PV	AWC26 - Data Stores							
☒	Value	Apr 27, 2026, 12:00:00 AM	270.107		-28.011	304.602	145.759	420,053.83	🗑️
☒	Dryer03.Fan.InletTemperature.PV	AWC26 - Data Stores							
☒	Value	Apr 27, 2026, 12:00:00 AM	110.047		67.011	137.086	98.249	283,067.538	🗑️

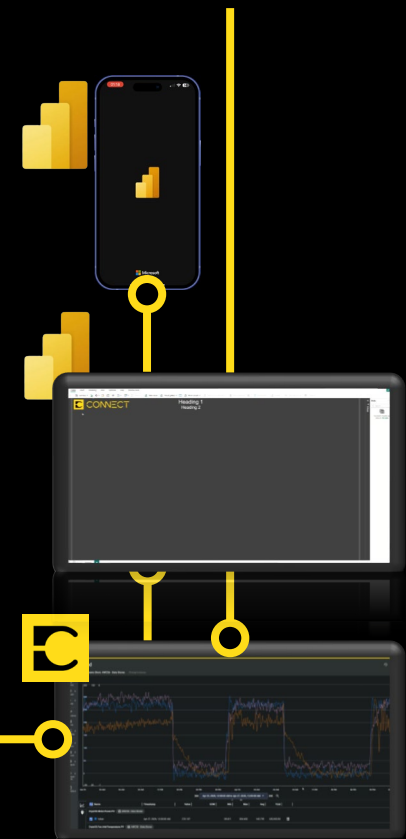






N

CONNECT



File Edit View Run Kernel Tabs Settings Help

AWC26_MILAN_CONNECT_ICEBERG_TIMESER...

AWC26_Milan_CONNECT_Iceberg Timeseries Clean.ipynb

Notebook Python 3 (ipykernel)

AVEVA World Conference 2026 - Milan

CONNECT Iceberg REST Demonstration

1. Setup and Parameters

1.1 Setup

1.2 Connection Parameters

2. CONNECT Iceberg REST

2.3 Discover Iceberg Namespaces

2.4 Discover Iceberg Tables

2.5 Retrieve Iceberg Metadata

3. Read and Visualize CONNECT data

3.1 Read ADLS Parquet Data

3.2 Prepare Time Series Model

3.3 Build Interactive Visualization

CONNECT

AVEVA World Conference 2026 - Milan

CONNECT Iceberg REST Demonstration

This notebook demonstrates zero-copy ecosystem consumption of CONNECT Virtual Tables through an open Iceberg-style flow:

CONNECT
Virtual Tables

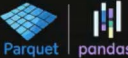
↓

Iceberg
REST Catalog

↓

ADLS
SAS federation

↓

Parquet / Pandas

↓

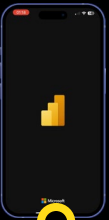
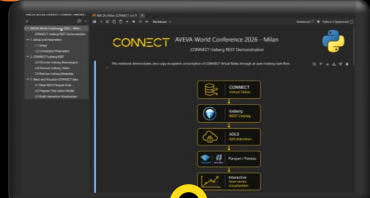
Interactive
time-series
visualization

Simple 1 515 Python 3 (ipykernel) Idle

Mode: Command Ln 3, Col 19 AWC26 Milan CONNECT Iceberg TimeSeries Clean.ipynb 0

W

CONNECT

[illegible]

Questions?



- Please wait for the microphone
- State your name and company

Please remember to...

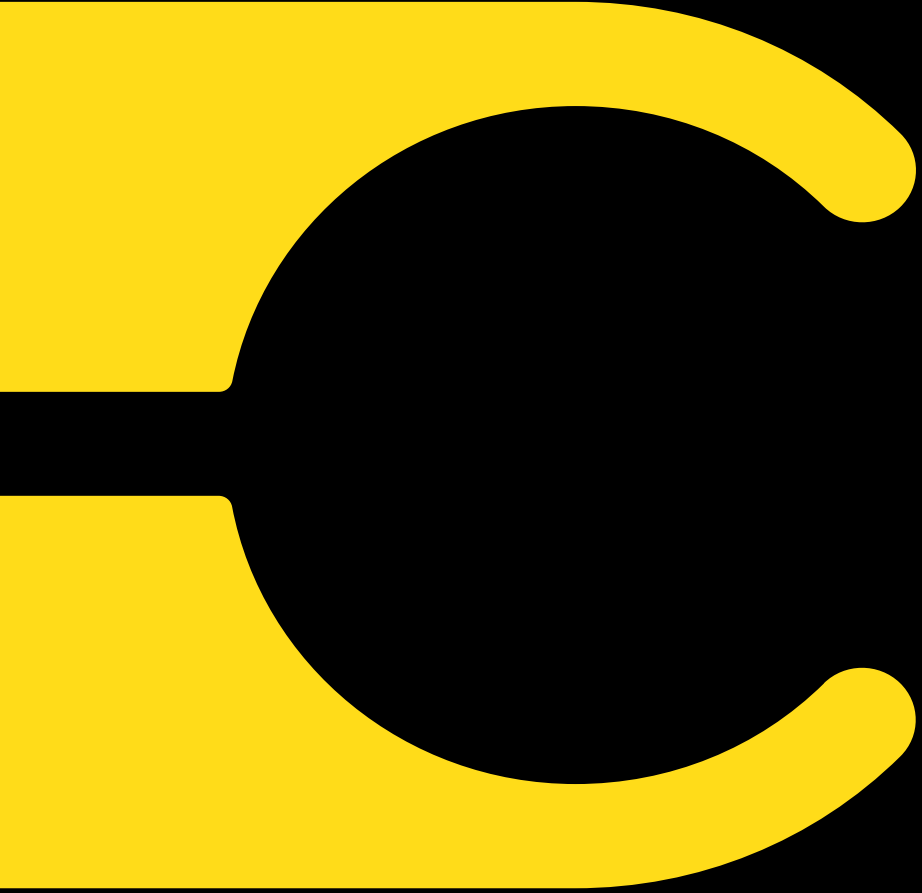
Navigate to this session in the mobile app to complete the survey

Visit us at the CONNECT booths in the Innovation Zone

Thank you!

This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.



 [linkedin.com/company/aveva](https://www.linkedin.com/company/aveva)

 [@avevagroup](https://twitter.com/avevagroup)

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