

The background of the image is a deep purple with a pattern of glowing, intersecting diagonal lines in shades of cyan and magenta, creating a diamond-like grid effect. Centered in the middle of the image is the text "AVEVAWORLD" in a bold, white, sans-serif font. The letter "E" is stylized with three horizontal bars.

AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

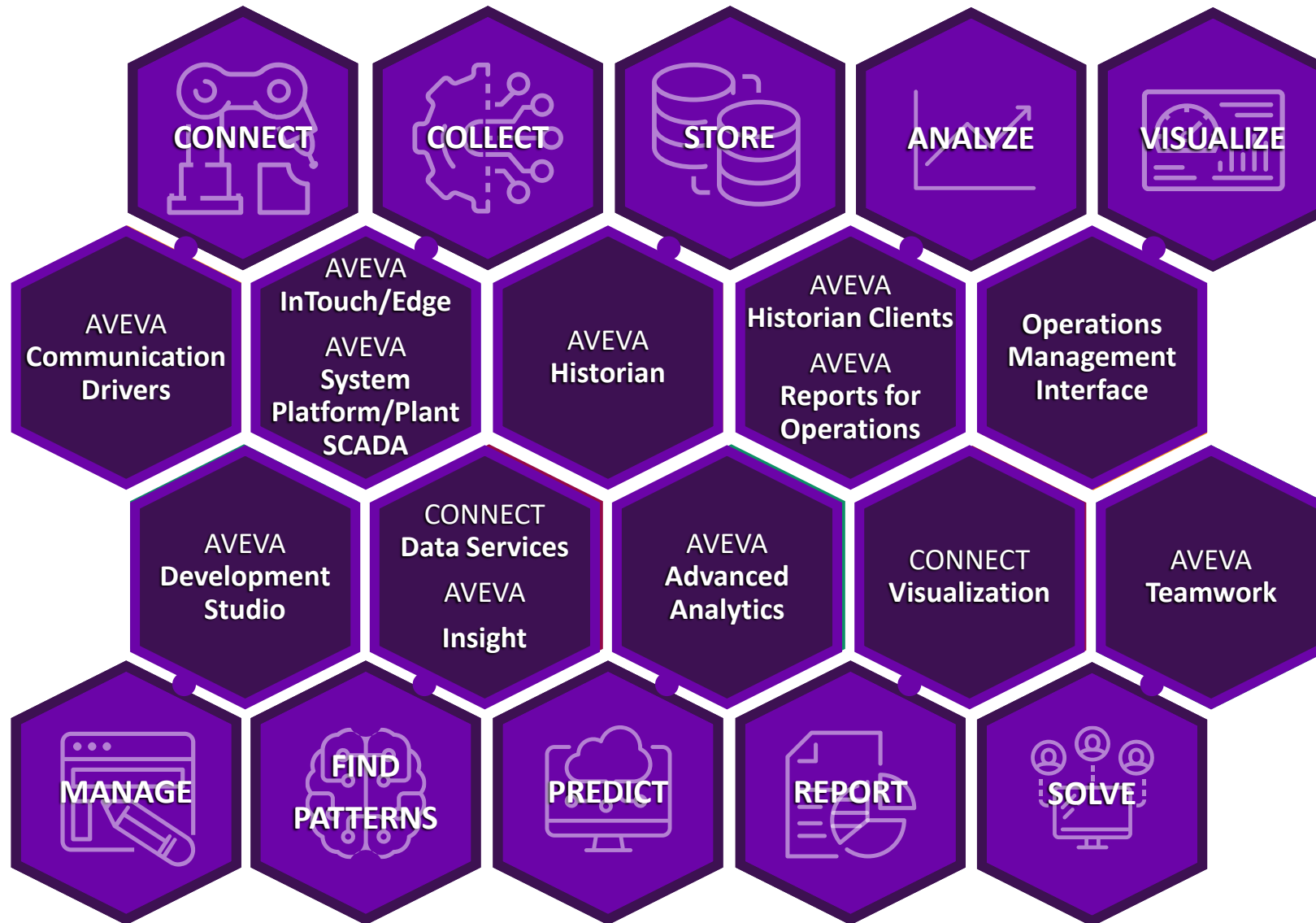
AVEVA Operations Control Roadmap

The Future of HMI/SCADA

John Krajewski, VP Product Management, AVEVA

AVEVA

AVEVA Operations Control



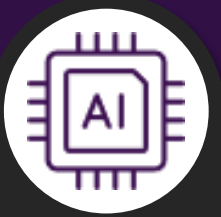
Empowering Digital Transformation with the power to choose the configuration, architecture and deployment options that best meet your objectives

Trends Influencing Industrial Operations



Customer Trends

- Organizational Convergence (IT/OT)
- Software Sprawl
- Resource Challenges
- Informational Silos Breakdown (IT/OT)
- AI Adoption/FOMO
- Digital Strategy/Digital Transformation



Technology Trends

- Hybrid-Cloud
- Containers/Kubernetes
- Managed Services/SaaS
- Generative AI/RAG
- Agentic AI/LLM/MCP
- Industry 4.0/4IR/UNS
- MQTT Brokers
- Data Ops/IIoT/i3X
- Knowledge Graphs



Market Trends

- Inflation/Trade Issues
- Distributed Workforce
- Geo-Political Events
- Digital Natives Become the Majority
- Cyber Security/CRA
- Increasing Rate of Change
- Sustainability
- Data Sovereignty

2026 Themes

2026 Themes

Portfolio Expansion and Alignment O1

Edge to Enterprise Operations

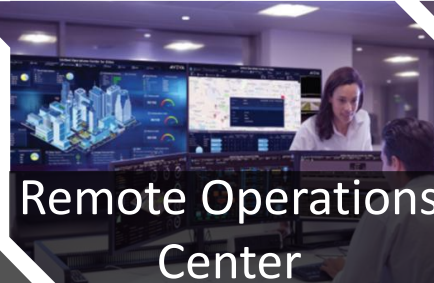
Building on a legacy of HMI/SCADA...

Enterprise Operations

Long Term Focus
(up to 1 Year)
Enterprise View
IT/OT Convergence



Command Center



Remote Operations Center



Casual User

Supervisory Operations

Medium Term Focus
(up to 1 Week)
Process View
OT Convergence



Control Room



Area Workstation



Mobile Supervisor

Edge Operations

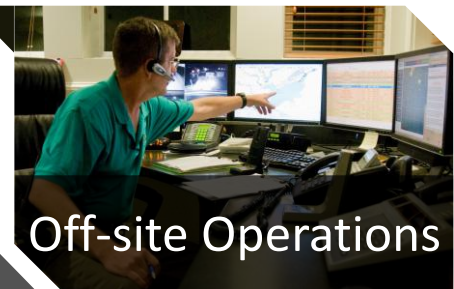
Short Term Focus
(up to 1 Shift)
Work Cell View
Control Convergence



Panel-based Operations



Tablet-based Operations



Off-site Operations



Consistent Experiences and Content

Common process visualization technology across operations



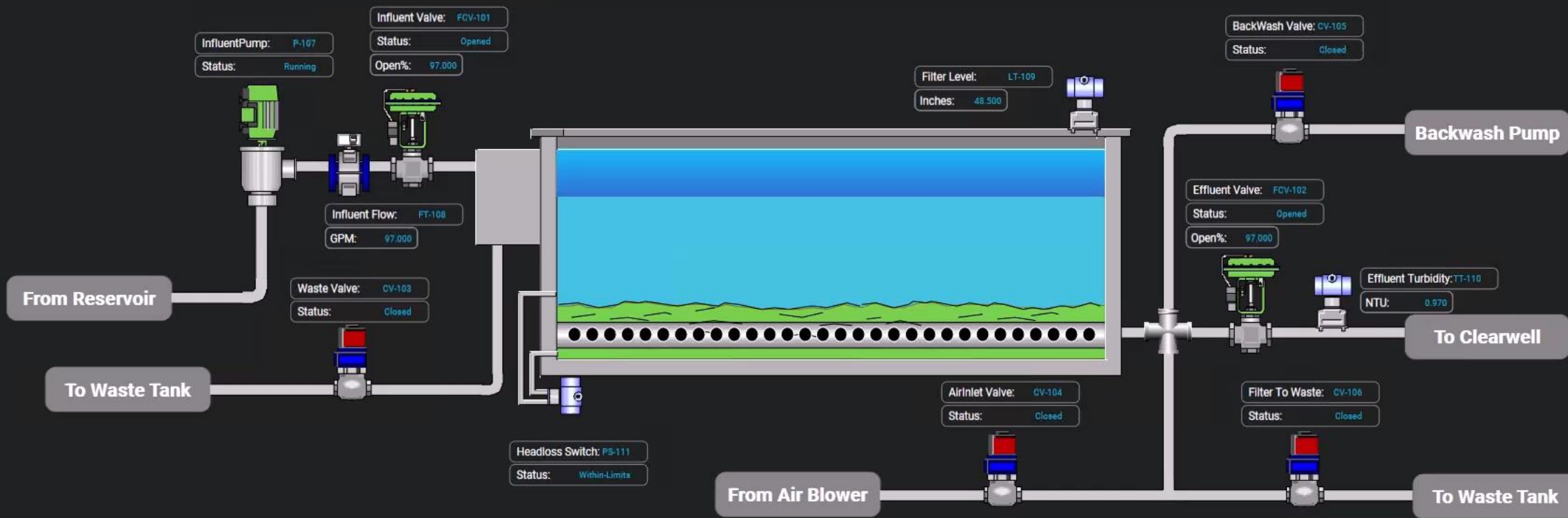
Water Process

Reactor Overview

Wind Turbine

Bottle Line

Gravity Filter Process



Control Mode



Influent Flow



Filter Level



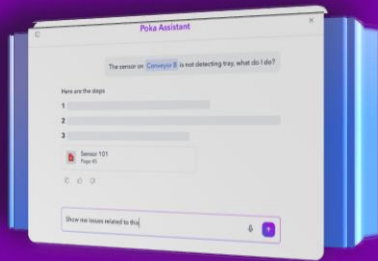
Effluent Turbidity



AVEVA Teamwork

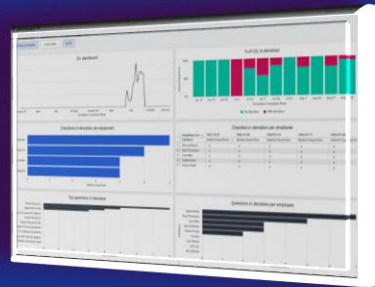
Industrial AI

Conversational, context-aware, agentic AI that delivers intelligent support



Analytics

Spot Trends and Identify Opportunities to Drive Continuous Improvement



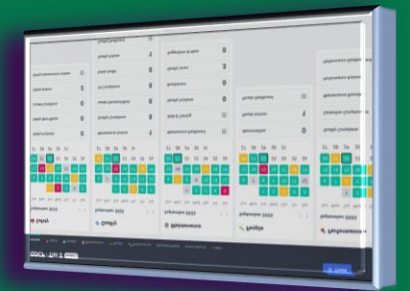
Automate

Seamless integration & automation of business processes & data



Huddle Boards

Improve Alignment and Accountability with Cross-shift Visibility



2026 Themes

Portfolio Expansion and Alignment O1

2026 Themes

Portfolio Expansion
and Alignment 01

Reduced Total Cost
of Ownership 02



42% of committed code is currently AI-generated or assisted, with expectations to reach 65% by 2027

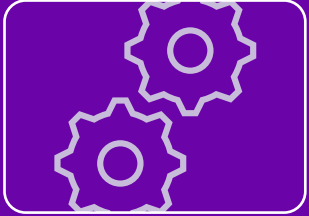
- SonarSource

60% reduction in frontend development time with AI UI generation

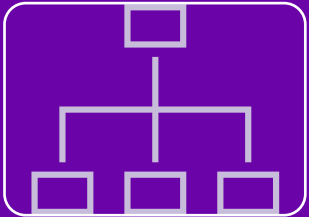
- Vercel

Enabling Generative AI

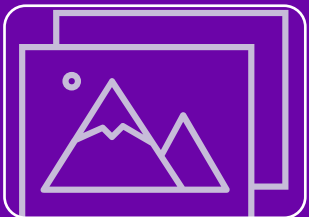
Open File Formats



Standard Structures



Data Models



Graphical Content



OpenSky Network - tracking 98 x +

map.opensky-network.org

OpenSky Map OpenSky API Model Builder Industrial Graphics QuickScript

UHT

LOKPIRF

ALTITUDE (ft)
0 500 1000 2000 4000 6000 8000 10000 30000 40000+

50 NM

© OpenStreetMap contributors.



OpenSky Flight Map

Main Site:
opensky-network.org

[Feed Data](#) [Discord](#) [FAQ](#)

[tar1000 on github](#)

Total Aircraft: 9846
On Screen: 350

Search

Filters

Columns

Search:

Search

Clear Search

Jump to Airport or Latitude, Longitude:

Jump

Clear

	Callsign	Route	Type	Squawk	Alt. (ft)	Spd. (kt)	RSSI
🇰🇷	AAR502	CDG-ICN	A359	0670	35000	543	-3.3
🇰🇷	AAR581	ICN-MXP	A359	2350	3975	207	-2.5
🇪🇸	ABR2225		B738	1000	ground	63	-6.1
🇪🇸	AEA1518	?? MUC-MAD		1000	37000	388	-2.8
🇪🇸	AEA59DQ	?? MXP-MAD	B738		ground	6	-6.4
🇪🇸	AEA87NM	?? FRA-MAD		2316	37000	384	-3.4
🇩🇪	AEE25	?? STR-SKG	A21N	7712	▲34325	483	-3.1
🇩🇪	AEE5IN	?? MXP-ATH		0410	35000	496	-2.6
🇫🇷	AFR1227	?? VCE-CDG	BCS3	1000	▼31325	408	-2.4
🇫🇷	AFR19LP	?? ATH-CDG		1000	38000	426	-2.2
🇫🇷	AFR32HT	?? MLA-CDG	A320	1000	▼36725	439	-2.9
🇫🇷	AFR37RL	NAP-CDG	A320	1000	36000	427	-1.8
🇫🇷	AFR42KK	?? CDG-ATH	A320	7563	34975	493	-2.5
🇫🇷	AFR6726	?? CDG-BOM	B77L	7555	33000	543	-2.0
🇫🇷	AFR89KL	?? CDG-VCE	E190	1000	11000	300	-1.8
🇫🇷	AFR94FM	?? CLY-ORY	A320	1000	▲32875	425	-2.1
🇩🇪	AIC137	?? DEL-MXP	B788	5504	▼39975	441	-3.4
🇩🇪	AMB207		LJ35	1000	▲12700	293	-1.7
🇪🇸	ANA216	?? CDG-HND	B789	0672	30975	519	-2.9
🇪🇸	ANE52RB	?? BLQ-MAD	CRJX	1000	▲35000	404	-1.6
🇩🇪	AQJ4CL		C25C		ground	0	-1.5
🇩🇪	AUA14D	VIE-ZRH	A320	1000	▼26725	457	-2.6

2026 Themes

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Reduced Total Cost
of Ownership 02

Openness & AI
Ready Foundation 03

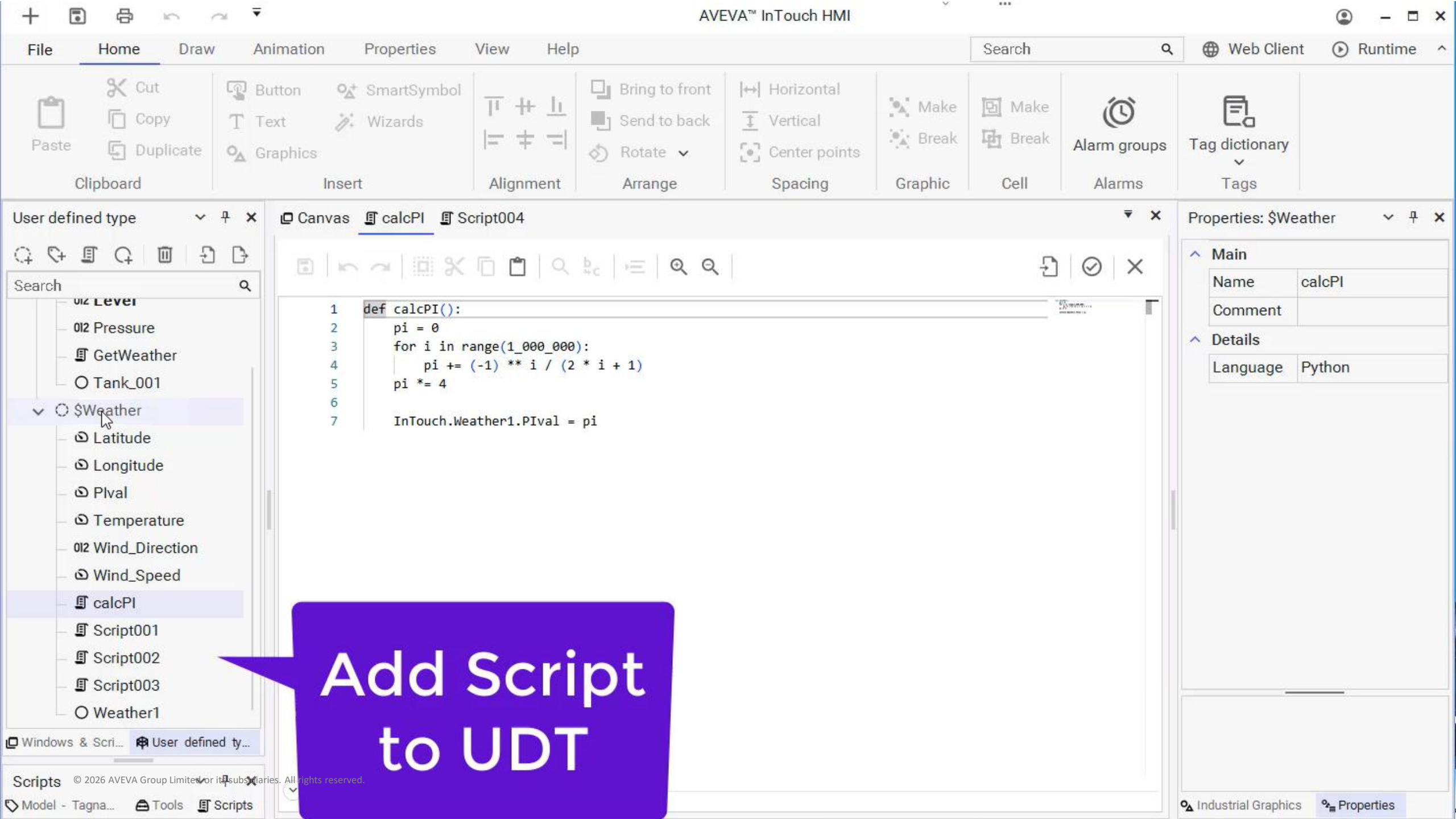


**Remarkable rise: “Python climbed
from rank #27 in 2001 to #1 in 2026”**

- TIOBE Index

**“97 million monthly SDK downloads
one year after MCP launch”**

- AgentMarketCap



Paste

Cut

Copy

Duplicate

Clipboard



Button



Text



Graphics



SmartSymbol



Wizards

Insert



Alignment



Bring to front



Send to back



Rotate

Arrange



Horizontal



Vertical



Center points

Spacing



Make



Break

Graphic



Make



Break

Cell



Alarm groups

Alarms



Tag dictionary

Tags

User defined type



Search



002 Level

002 Pressure

GetWeather

Tank_001

002 \$Weather

Latitude

Longitude

Pival

Temperature

002 Wind_Direction

Wind_Speed

calcPI

Script001

Script002

Script003

Weather1

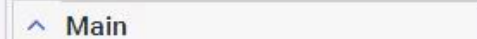
Canvas calcPI Script004



```
1 def calcPI():
2     pi = 0
3     for i in range(1_000_000):
4         pi += (-1) ** i / (2 * i + 1)
5     pi *= 4
6
7     InTouch.Weather1.Pival = pi
```

Add Script
to UDT

Properties: \$Weather



Main

Name

calcPI

Comment

Details

Language

Python

Scripts

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Model - Tagna...



Tools



Scripts

Industrial Graphics



Properties



Recycle Bin



Microsoft Edge



Configurator



Claude

Settings

LLM Providers
Configure AI Models

MCP Servers
Manage MCP Servers

MCP Servers

Manage MCP Servers for Tool Integration

Active 1 Inactive

AVEVA Historian

AVEVA Historian MCP Server Tools

ENABLED

Server ID: Historian

Transport: Http

URL: http://localhost:31968

Edit

Disable

Tools (30)

list_temp_dashboards

get_events

Add MCP Server

AVEVA



i3X

INDUSTRIAL INFORMATION
INTEROPERABILITY
EXCHANGE
FROM CESMII

OCMC - [Operations Control Management Console]

File Action View Help

Operations Control Management Console (Historian)

- Historian
 - Historian Group
 - Historian
 - Log Viewer

Name

Historian Group

AVEVA
Historian

i3X Explorer

<http://localhost:32599> Connect Developer

Connect to

Administrator: Windows PowerShell

```
PS C:\I3X\publish>
```

monitoring.

2026 Themes

Portfolio Expansion
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Reduced Total Cost
of Ownership 02

Openness & AI
Ready Foundation 03

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Ready Foundation 03

IT/OT Convergence
& Modern
Architectures 04

Natural Evolution of Industrial Operations

As operations mature, data consumption expands to include a diverse ecosystem of stakeholders.



Stage 5: Autonomous

Self-Optimizing Assets: Drives growth and sustainability through AI-enriched digital twins



Stage 4: Unified

Enterprise Governance: Enables real-time global decision-making and benchmarking



Stage 3: Connected

Integrated Performance: Optimizes whole-plant output & production with real-time data



Stage 2: Silos

Operational Consistency: Standardizes line-level control across machine "islands"

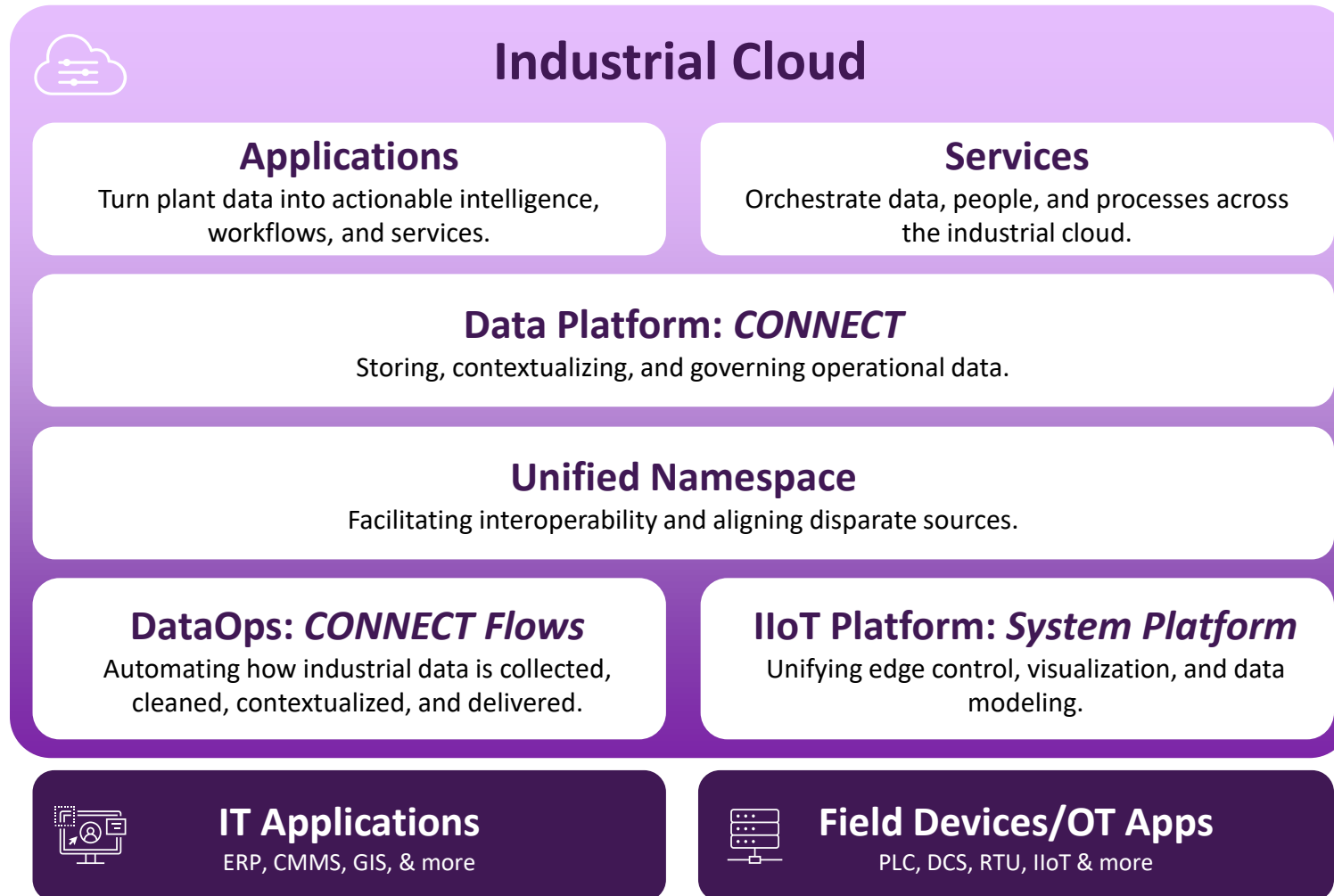


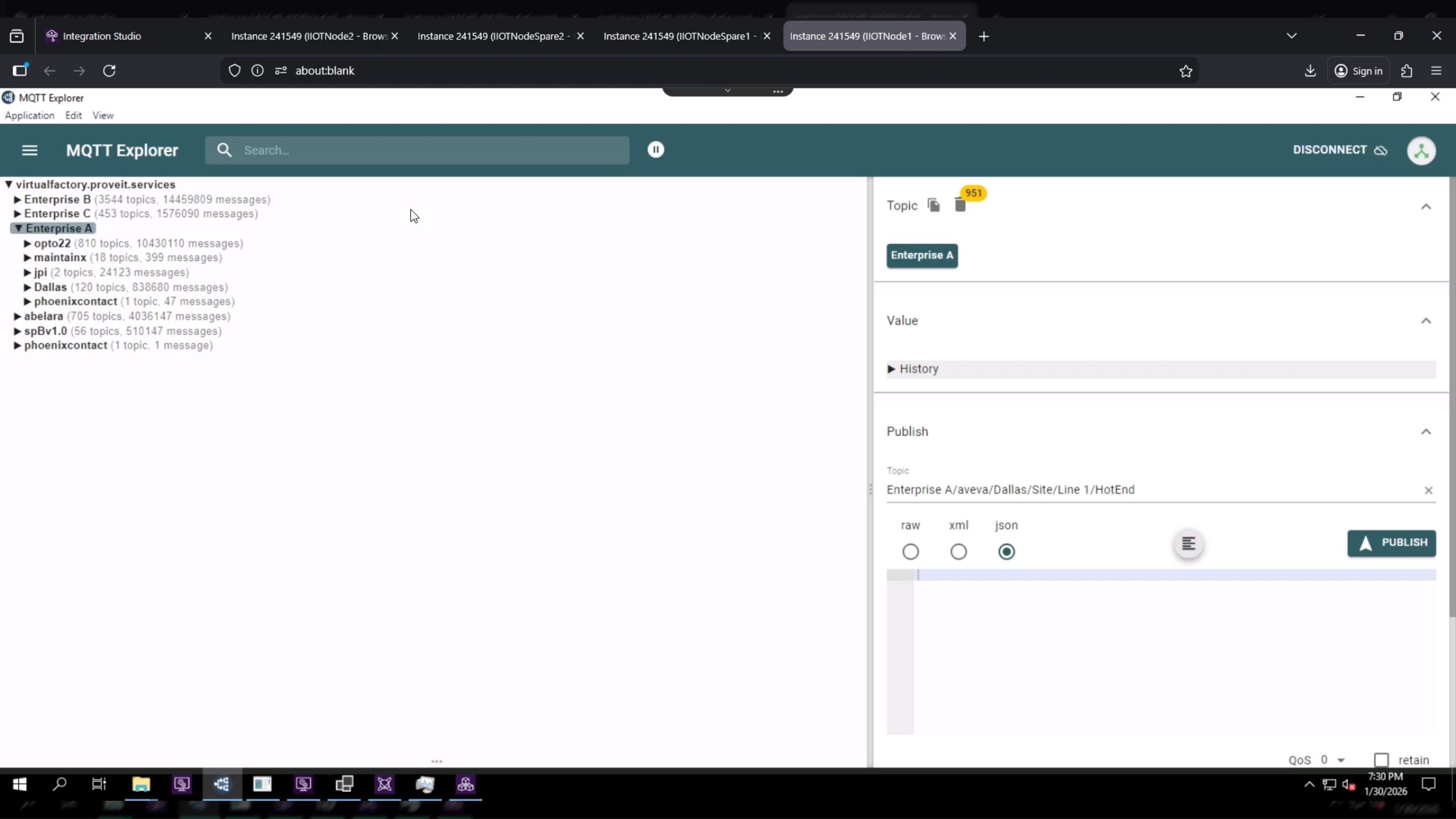
Stage 1: Manual

Digital Visibility: Eliminates manual error and tribal knowledge risks by digitizing procedures

Modern Operations Architectures

Powering an Industrial Cloud



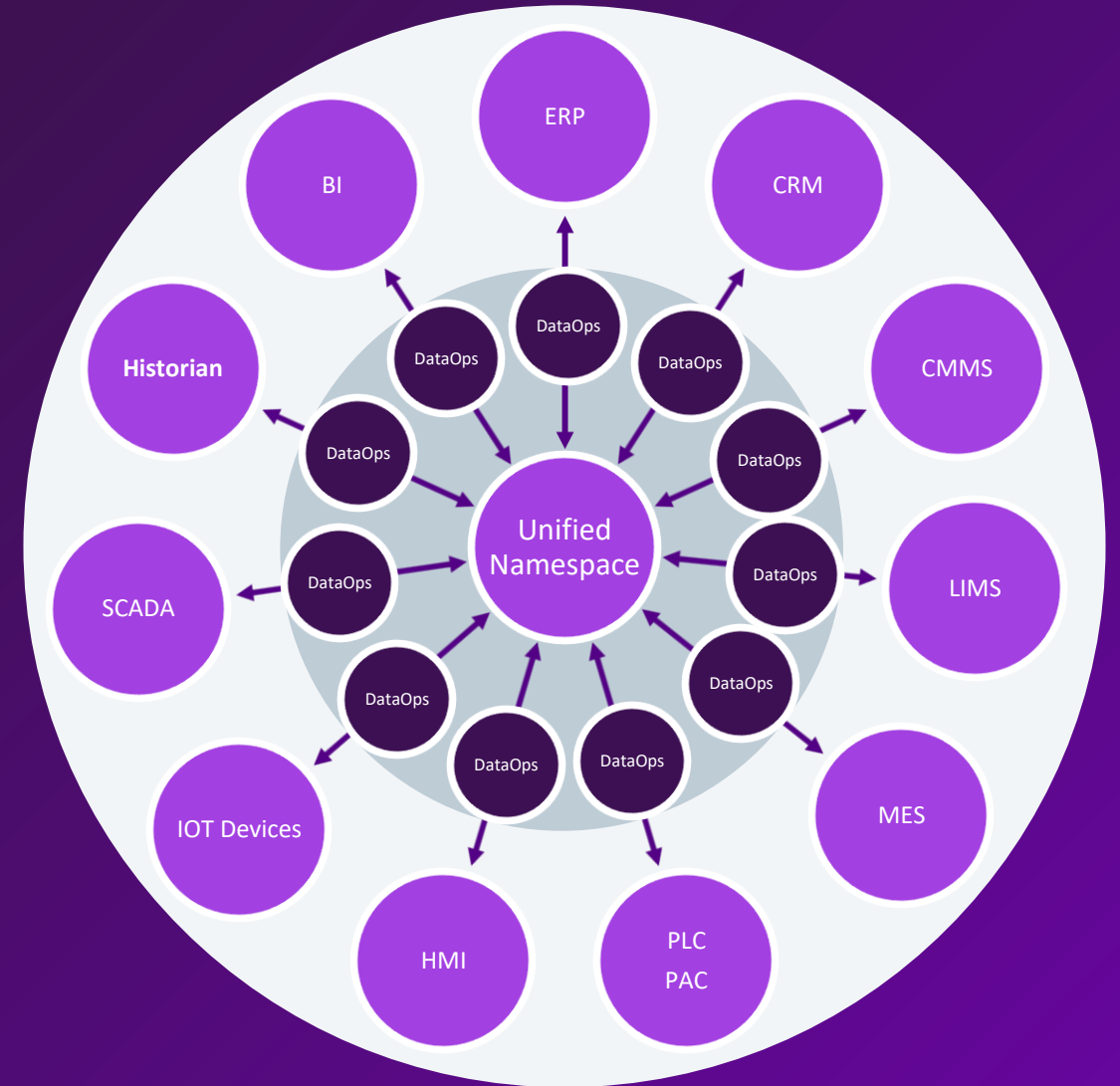


Industrial Data Operations (DataOps)

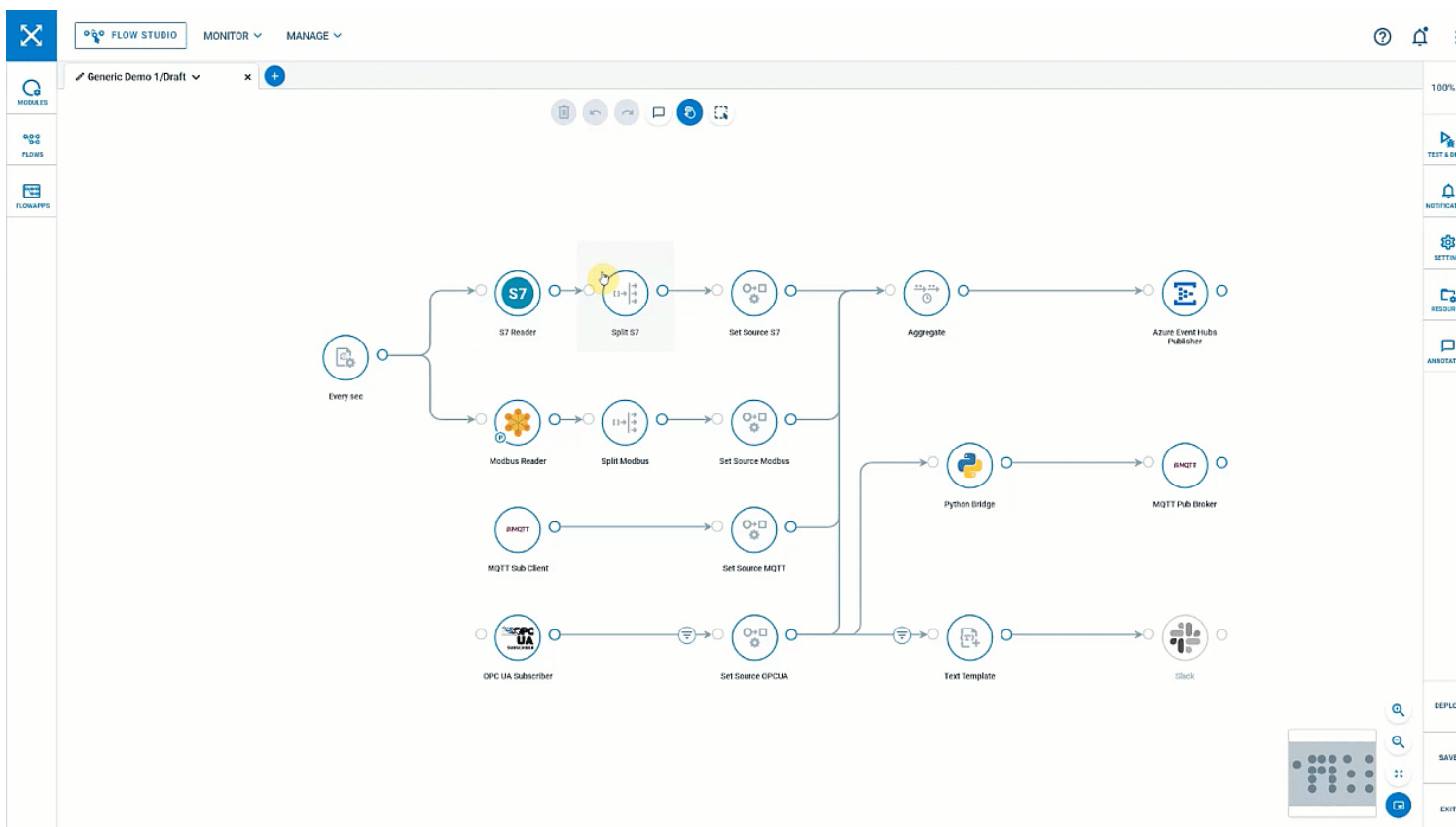
CONNECT Flows

- Industrial Operations have a significant investment in hardware and software data sources that each have their own unique and disparate data models.
- A key aspect of most corporate digital strategies is to establish a single contextualized model for access to all data.
- The role of the DataOps layer is to connect to the individual data sources, transform the disparate data and models into the desired unified structure, execute logic/AI, publish that data to consumers, and facilitate secure read and write of the data.

Industrial Data Operations



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.

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& Modern
Architectures 04

Visit Us!

Stop by these booths in the innovation zone for demos and additional information:

Powering IIoT Innovation with InTouch, System Platform, and CONNECT

AVEVA System Platform & AVEVA InTouch

From Edge Intelligence to Industrie 4.0 with AVEVA Operations Control and Crosser

AVEVA Operations Control & Crosser

Integrate your operations with unlimited possibilities

AVEVA Operations Control & System Platform

Scalable HMI solutions with unlimited tags, IO, and server installations

AVEVA InTouch

AVEVA Communities

Heroes HQ



Sessions of Interest

Future-Proof Your Control Room: AVEVA Operations Control Supervisory Roadmap

AVEVA System Platform

Wednesday, May 20 @ 4:15 pm

Brown 2 – Level 2

Intelligence on the Plant Floor: AVEVA Operations Control Edge Roadmap

AVEVA InTouch

Wednesday, May 20 @ 5:00 pm

Brown 2 – Level 2

Hybrid Heroes: Modernizing and Unlocking Operational Agility with the Cloud

CONNECT and AVEVA Teamwork

Wednesday, May 20 @ 9:00 am

Brown 1 – Level 2

AVEVA System Platform: New Smarter Features for Modern Capabilities

AVEVA System Platform

Wednesday, May 20 @ 9:45 am

Brown 1 – Level 2

AVEVA InTouch HMI: Graphics, Structures and Python, Oh My!

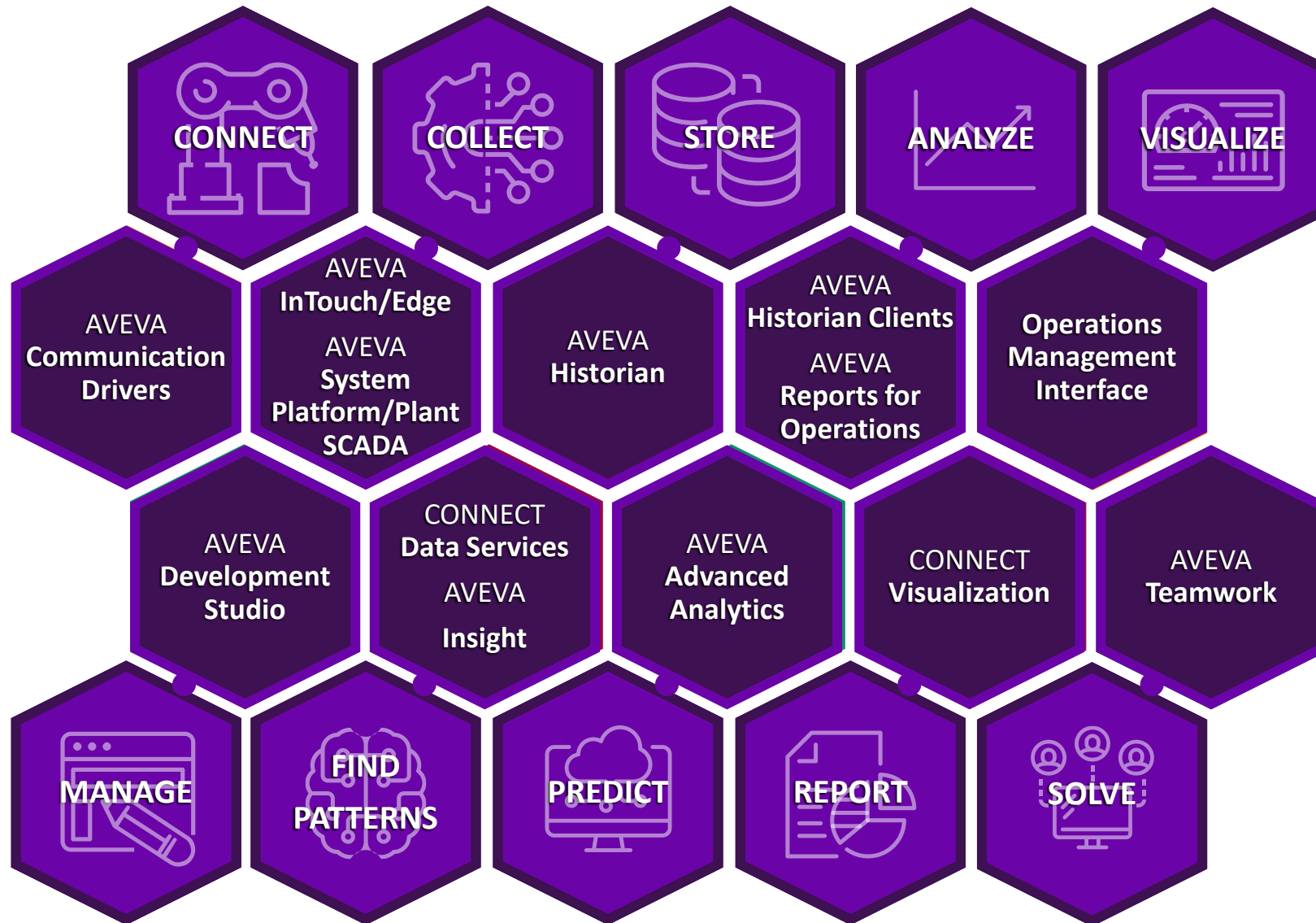
AVEVA InTouch

Wednesday, May 20 @ 10:30 am

Brown 1 – Level 2

**BREAKOUTS &
ROUNDTABLES**

AVEVA Operations Control



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

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.

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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