AVEVAWORLD





APRIL 8, 2025

CONNECT Industrial intelligence platform Vision and Roadmap

Todd Brown – VP, Industrial Platform Portfolio

Laurent Garrigues – VP, Industrial Platform Portfolio



Todd Brown VP, Industrial Platform Portfolio **AVEVA**

With 25-years' experience in operations industrial data, Todd leads the CONNECT industrial platform portfolio team at AVEVA.

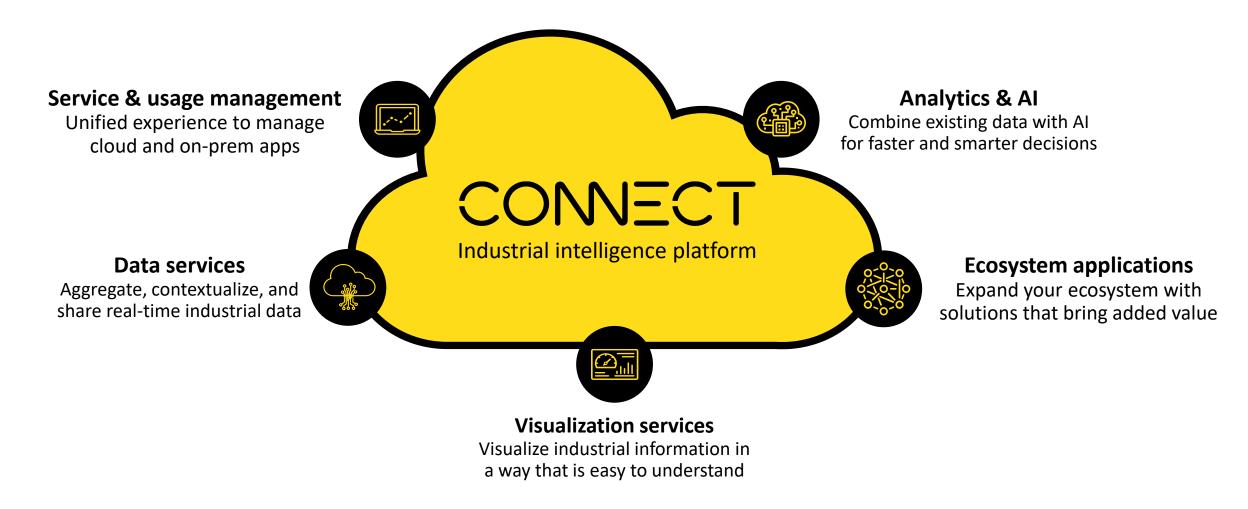


Laurent Garrigues VP, Industrial Platform Portfolio AVEVA

With also 25-years' experience in operations industrial data, Laurent is part of the CONNECT industrial platform portfolio team at AVEVA



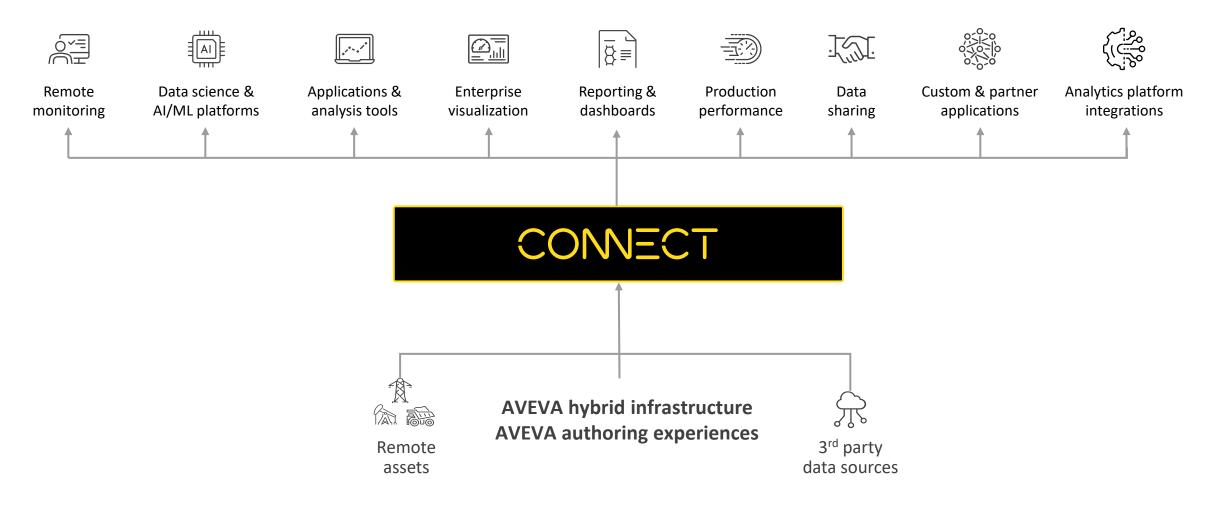
Open and neutral, providing rich insights for your unified industrial ecosystem





Industrial intelligence platform

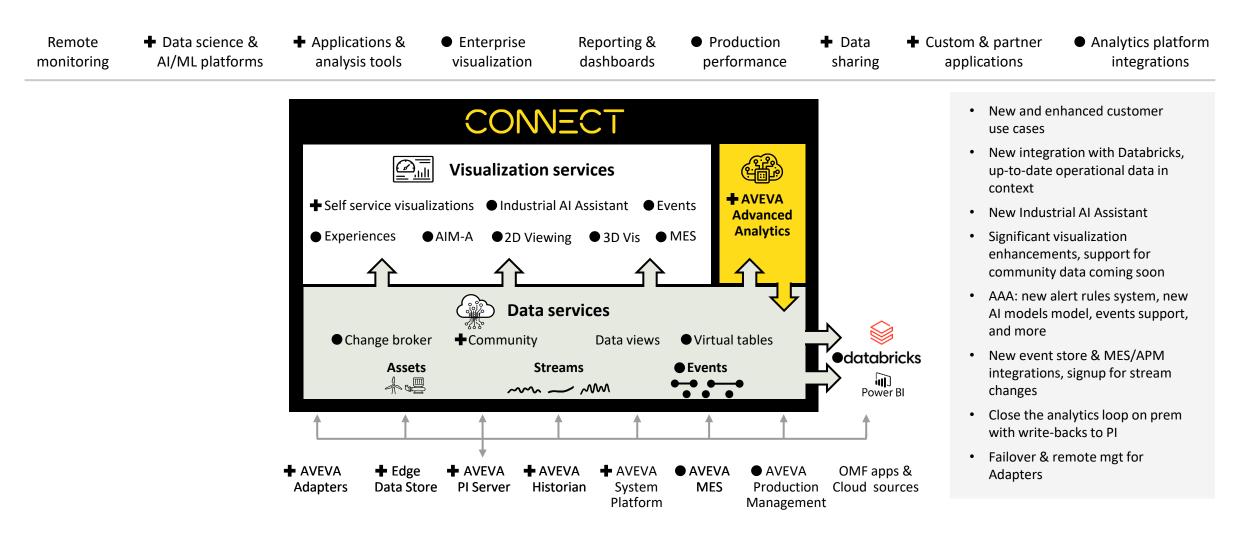
Providing hybrid solutions to accelerate new value creation for AVEVA customers





CONNECT in 2Q 2025

Significant enhancements across the industrial platform in the past 12 months



New capability

Enhancements



CONNECT roadmap themes



<u>Hybrid</u>: Extend the value for AVEVA's existing customers

Secure, rapid connectivity – powerful new use cases System of record for industrial data, apps, & data science capabilities



Enterprise insights: From enterprise data to industrial insights

Powerful analytics and AI models driving operations improvements Visually relate data in context and expedite analysis with an AI Assistant



Ecosystem: Drive digital transformation

Leverage a network of partner applications and services Flexibly use, monitor, and provision AVEVA capabilities



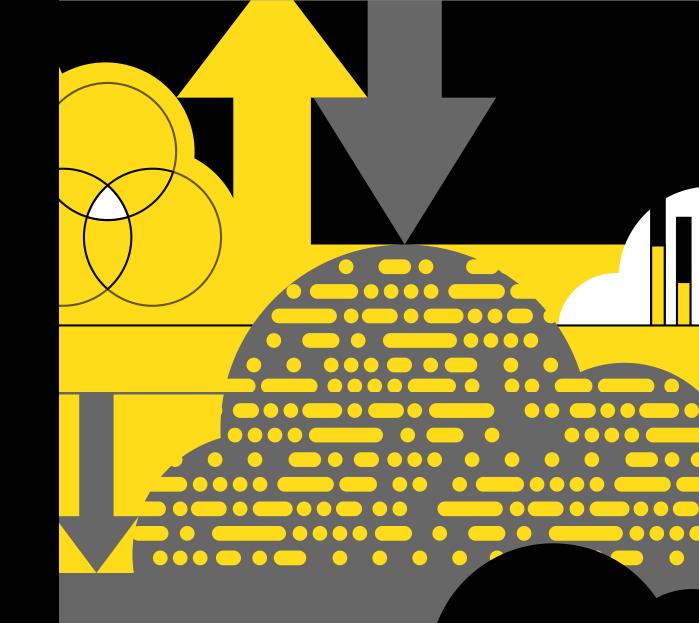
Industrial digital twin: Bridge engineering & operations context

Shared version of the truth for analytics, visualization, and AI Enhance visibility, consistency, and insights across operations

CONNECT ROADMAP THEME



Extend the value for AVEVA's existing industrial customers







Extend the value for AVEVA's Existing Industrial Customers

Hybrid

Engineering data



Point Cloud, Asset Information Management

Design - Build

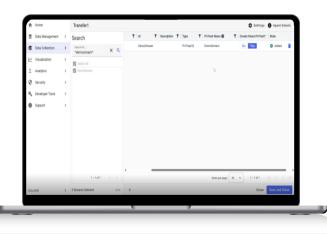
Historians / MES



System Platform, PI Systems, MES, Production Management

Operate - Optimize

CONNECT to On-prem



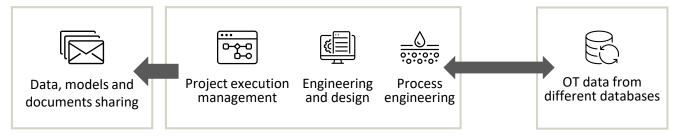
Data Write-Back

Operate - Optimize



CONNECT extends value for our **engineering customers**

Asset Information Management & Multi-tenant, Management & Multi-project Single digital twin Management & Multi-project Single digital twin for operations documentation Sharing with		С	ONNEC	
		Ż		(j)
Visualization and engineering business partners	Management &	Multi-tenant, multi-project	for operations	sharing with



Drive time to value - reduce complexity for setup and maintenance

Collaborative - making data-sharing easy, while meeting security demands

Dynamic - adjust configurations as projects, facilities, and businesses mature

Scale - manage megaproject workflows across global teams

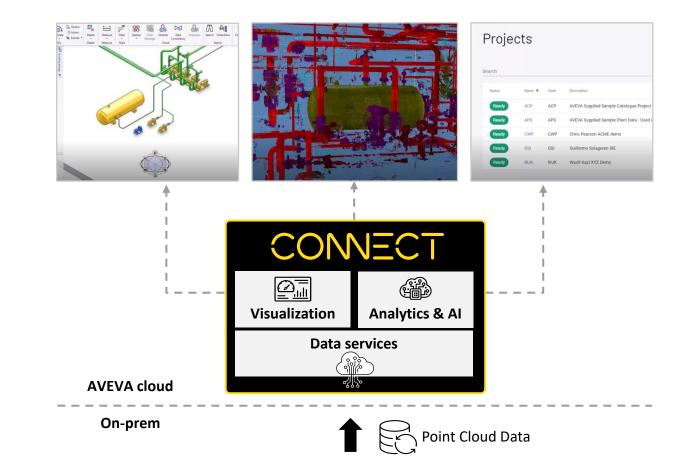
Living digital twin - bridge operations and engineering data



CONNECT for AVEVA reality capture

Rapid time to value with connectivity to CONNECT in a safe, secure, robust manner

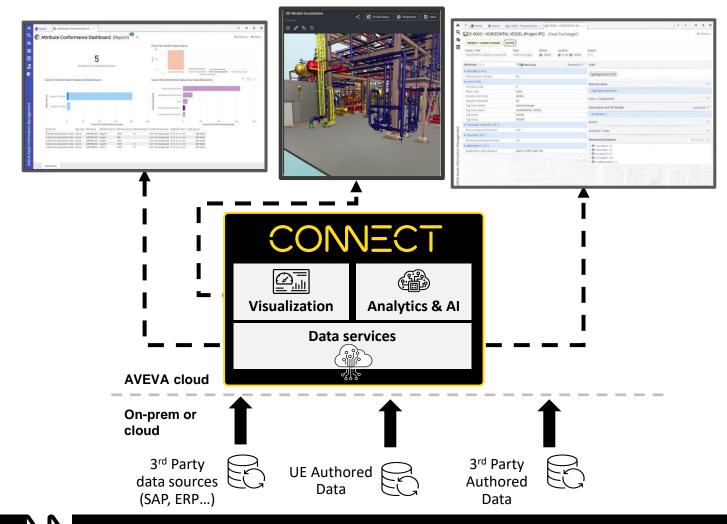
- As built 3D rendering of Point Clouds
- Large file point cloud active data store and archive
- Intelligent objects in Point Cloud
- Visualization in context to other CONNECT data in CONNECT visualization





CONNECT for AVEVA Asset Information Management

Rapid time to value with connectivity to CONNECT in a safe, secure, robust manner



- Aggregating and contextualizing engineering data with multiple other sources
- Combines 1D/2D/3D engineering data in context
- Dashboarding & reporting of Engineering data
- Configurable to support Projects and Operations
- Data quality reporting





Extend the value for AVEVA's Existing Industrial Customers

Hybrid

Engineering data



Point Cloud, Asset Information Management

Design - Build

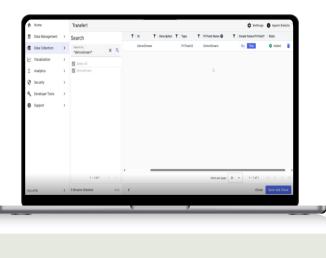
Historians / MES



System Platform, Pl Systems, MES, Production Management

Operate - Optimize

CONNECT to On-prem



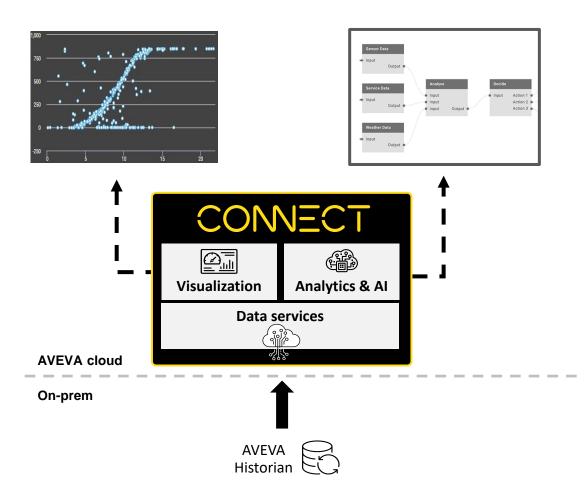
Data Write-Back

Operate - Optimize



CONNECT for AVEVA Operations Control

Rapid time to value with connectivity to CONNECT in a safe, secure, robust manner

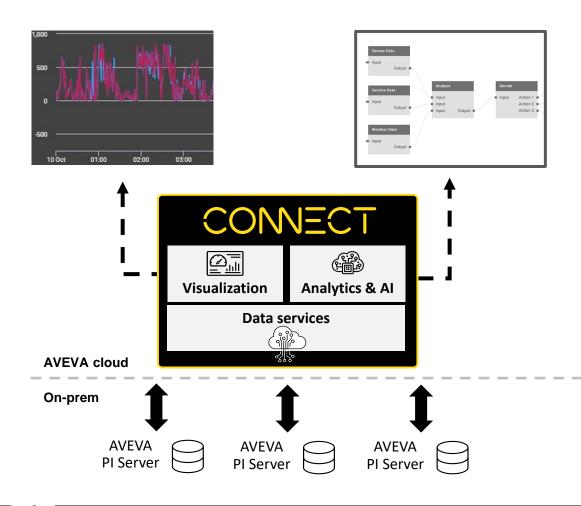


- Predicting quality and throughput
- Optimizing production in real time
- Optimizing for energy efficiency



CONNECT for AVEVA PI Data Infrastructure

Easily integrate multi-site data at scale

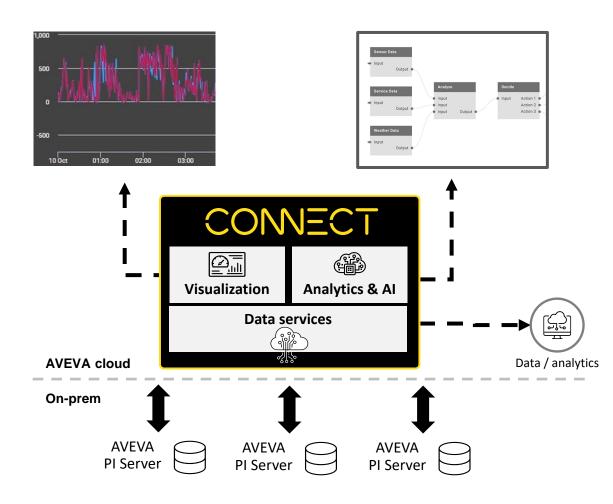


- Predicting quality and throughput
- Optimizing production in real time
- Optimizing for energy efficiency
- Reducing TCO by replacing regional servers



CONNECT for AVEVA PI Data Infrastructure

Curate data in context and share with 3rd party analytic and data vendors

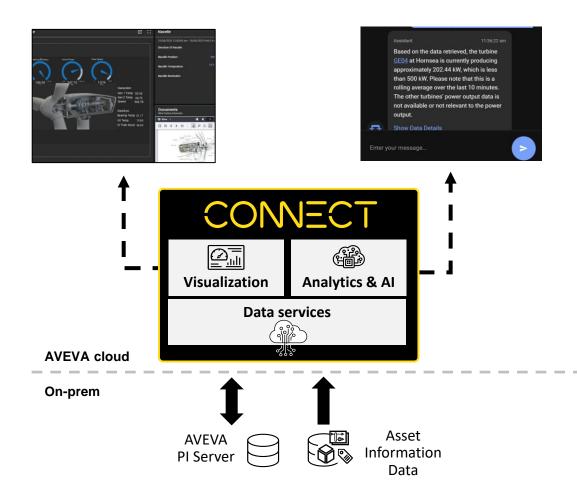


- Predicting quality and throughput
- Optimizing production in real time
- Optimizing for energy efficiency
- Reducing TCO by replacing regional servers
- Easily curate data in context at scale



CONNECT for AVEVA PI Data Infrastructure & AVEVA Asset Information Management

Easily integrate operations and asset information

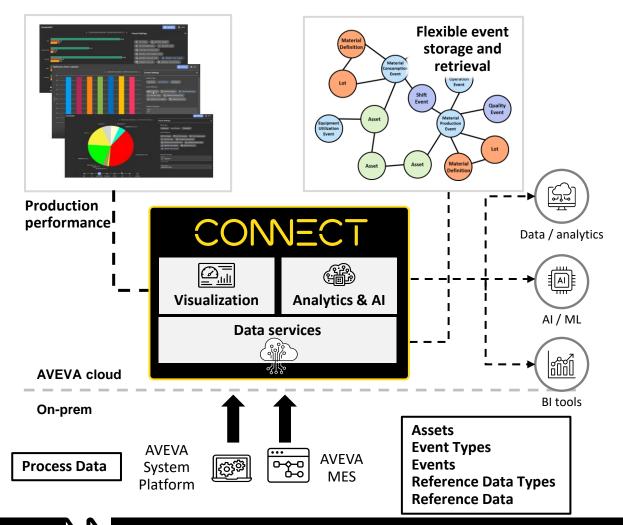


- Predicting quality and throughput
- Optimizing production in real time
- Optimizing for energy efficiency
- Reducing TCO by replacing regional servers
- Easily curate data in context at scale
- Answering questions offering new insights across information boundaries



CONNECT for AVEVA Manufacturing Execution System

Integration with CONNECT enabling enterprise production visualizations and analytics across sites



Features

- Native AVEVA Manufacturing Execution System integration
- Store MES assets and events (production, utilization, shift, etc.) and associated reference data in CONNECT
- Visualize event data and other operational data together in a single plane of glass using CONNECT visualization.
- Rich GraphQL API for querying event relationships

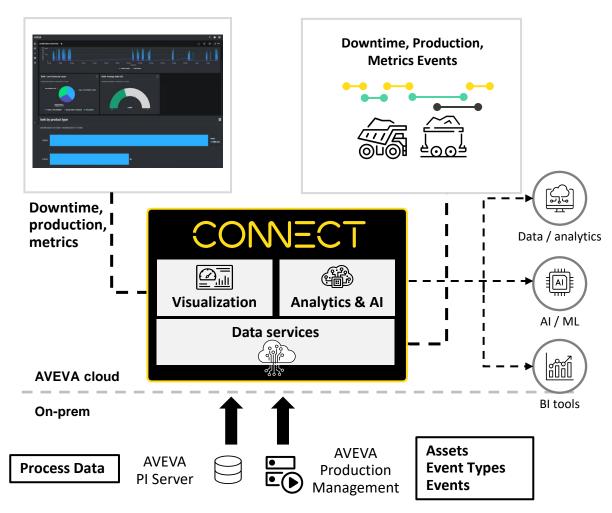
Benefits

- Manages production data in a single repository across a network of plants
- Brings MES data and process data together
- Provides enterprise-wide visibility into manufacturing operations
- Connects operational data with advanced analytics services



CONNECT for AVEVA Production Management

Store and visualize event data such as downtime, production & metrics data



Features

- Native AVEVA Production Management integration
- Store equipment hierarchy information including application, site, area, and equipment stored as assets in CONNECT.
- Store downtime, production, and metrics modules as events in CONNECT.
- New generic event-based visualization widgets.

Benefits

- Visualize event data and other operational data in a single pane of glass.
- Provides enterprise-wide visibility into manufacturing operations
- Connects operational data with advanced analytics services





Extend the value for AVEVA's Existing Industrial Customers

Hybrid

Engineering data



Point Cloud, Asset Information Management

Design - Build

Historians / MES



System Platform, PI Systems, MES, Production Management

Operate - Optimize

CONNECT to On-prem

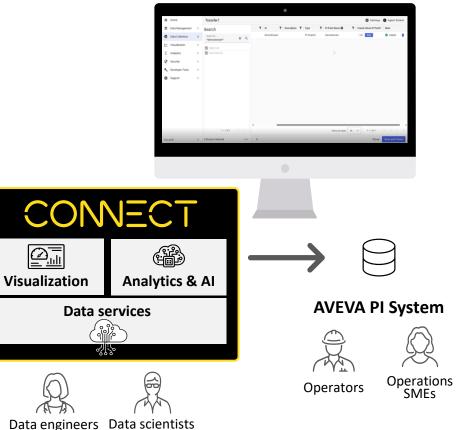


Operate - Optimize



CONNECT Write-Back to AVEVA PI Server

CONNECT to PI Agent: Write back from CONNECT to AVEVA PI Server



CONNECT to PI Agent

Features

- Transfer CONNECT data streams to tags in PI Server
- Works with real-time, historical, and future data streams
- Supports backfilling and transfer to high availability collectives
- Manage CONNECT to PI Server data flows centrally from cloud

Benefits

- Use advanced analytics capabilities in the cloud and bring the results and insights back on-premises
- Enhance collaboration between operations domain experts and data scientists
- Empower operations with advanced analytics insights using their familiar tools and existing workflows





Hybrid: Recommended sessions

Hybrid System Platform: Industrial data in CONNECT

Tuesday, April 8 @ 11:15 am (15 min) CONNECT Lounge

Unlocking the hybrid cloud with PI Data Infrastructure Tuesday, April 8 @ 1:15 pm (15 min) CONNECT Lounge

Data is the foundation of your digital transformation Wednesday, April 9 @ 11:15 am Room 2000 Amping up Unified Engineering with the power of CONNECT Wednesday, April 9 @ 11:45 am Room 2002

Unlocking enterprise-wide insights with Hybrid MES Wednesday, April 9 @ 2:00 pm (15 min) CONNECT Lounge

Amcor: Enterprise analytics and visualization of MES/process data Wednesday, April 9 @ 2:45 pm Room 2001-2003





CONNECT ROADMAP THEME



Deliver enterprise industrial insights that deliver more value



() i ()

wind speed (km/hr)

Deliver enterprise industrial insights that deliver more value

Enterprise Insights

CONNECT visualization



Visualization of enterprise data in context

AVEVA Advanced Analytics

Overview			What data does this r	nodel use?	let 15 TONO	
Name	Description		Actual Quality	le:	Property input 📧 Active	Â
MixerQualityModel class 🖌	Predict quality pa based on process		Agitator Speed.Value	le:	Property Input 📫 Active	
Problem To Solve Perfect Quality			Filling Flow.Value	le:	Property input (Active	
Tain @ Nairobi Bottling Plant / Mixers	Allow 7		Product Event		🗠 Event 💶 Active	
Active1: 💓 Last Training: I		ata collected every: 0:15 E	ixecutes every: 0:15 Retraini	ng every: N/A	Model is executing	-
What data should the Model consider?	When should data be collected?	Validate the Model's configuration.	Start training a Model with your Twin's data.	See what your Model found in your data.	When should the trained Model run?	
1			S			
Add Data	Set Tining	Evaluate Model	Start Training	Review Results	Operationalize Model	
Complete	Complete	Completed	Complete	Ready	Correleta	

CONNECT Industrial AI Assistant

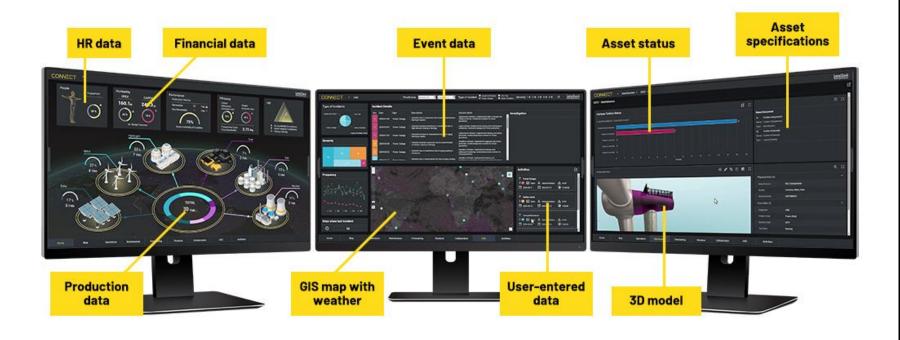
CURRENT VALUE Active Power 8,947.8 Kilowatt 6,216.3 Turbine installed 31,500 61.831 Daily Energy megawatt hour 1000000000000000000000000000000000000	capac inform	values provide a snapsh ity of the Hornsea Wind I nation or further analysis Data Details	Farm. If you nee	ed more detailed	
Active Power kilowatt Expected Power 6,216.3 Kilowatt Kilowatt Turbine Installed 31,500			CURRENT VALUE		
		Expected Power Turbine Installed Capacity	kilowatt 6,216.3 kilowatt 31,500 kilowatt 61.831 megawatt		

Powerful analytics and AI models driving operations improvements

Natural language interface for your enterprise data



CONNECT visualization



Self service visualizations

Customized experiences

Visualize complex relationships and data-driven insights in a way that is easy to understand

- Relate disparate data sources & systems in context to each other
- Gather insights between data sources and across data types quickly and easily
- Expedite analysis using an Industrial AI Assistant to answer natural language questions
- Share actionable information with operations, reliability, business, and other teams, anywhere through a browser



25

5 visualizations you can build with CONNECT



Dashboard visualizations

Dashboard visualizations contain an overview of high-level information intended for quick and simple interpretation of critical business or KPI data.

Content can be grouped in multiple ways, including the use of tabular navigation to segment categories of information.





Enterprise visualizations are broad in scope and can be shallow or deep, intended to showcase current and projected performance across multiple sites, divisions, or fleets of assets.

These can be highly interactive, supporting drill-down, filtering, and other user engagement to manipulate content.



Role-based visualizations

Role-based visualizations are narrow in scope, with deep information tailored for the persona or functional role to support decisions and troubleshooting.

Facilitating issue resolution and other actions, these provide intelligence on performance, events and other details.



Process-based visualizations

Process-based visualizations are graphical displays emphasizing production details to drive interpretation of data and optimal performance between linked assets.

Relatable with HMI (Human Machine Interface) use cases, these displays are often highly detailed and require specialized knowledge.



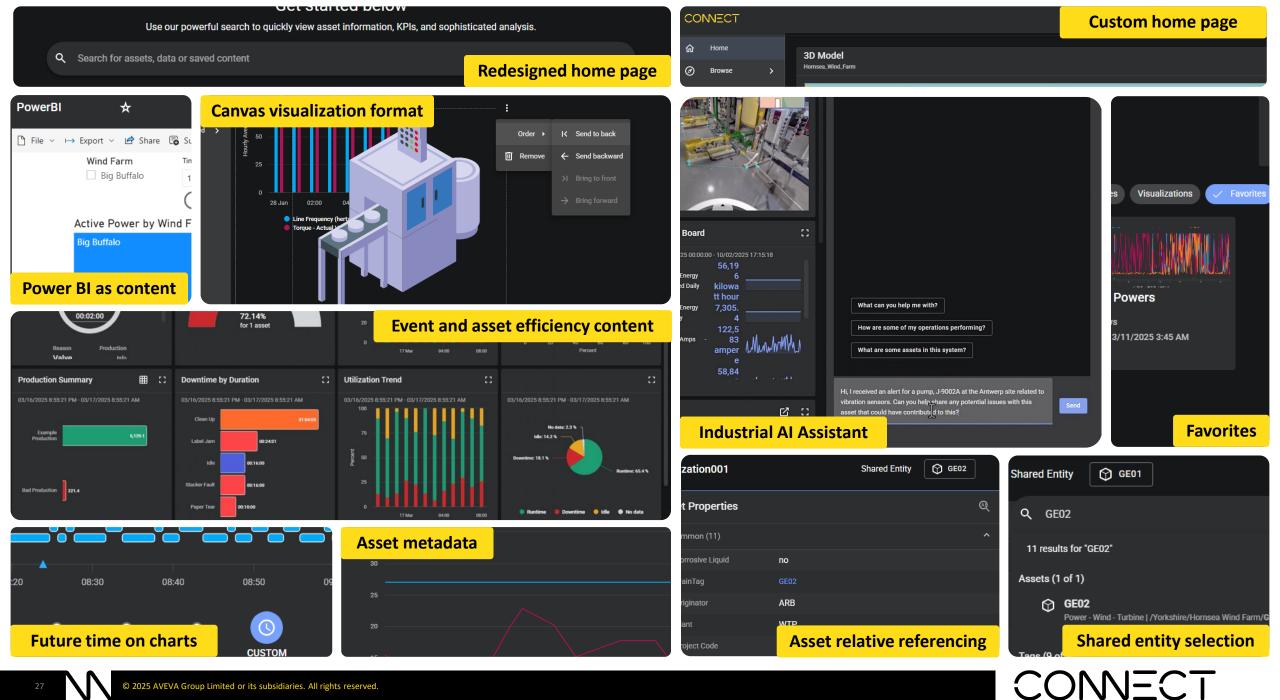
Asset-based visualizations

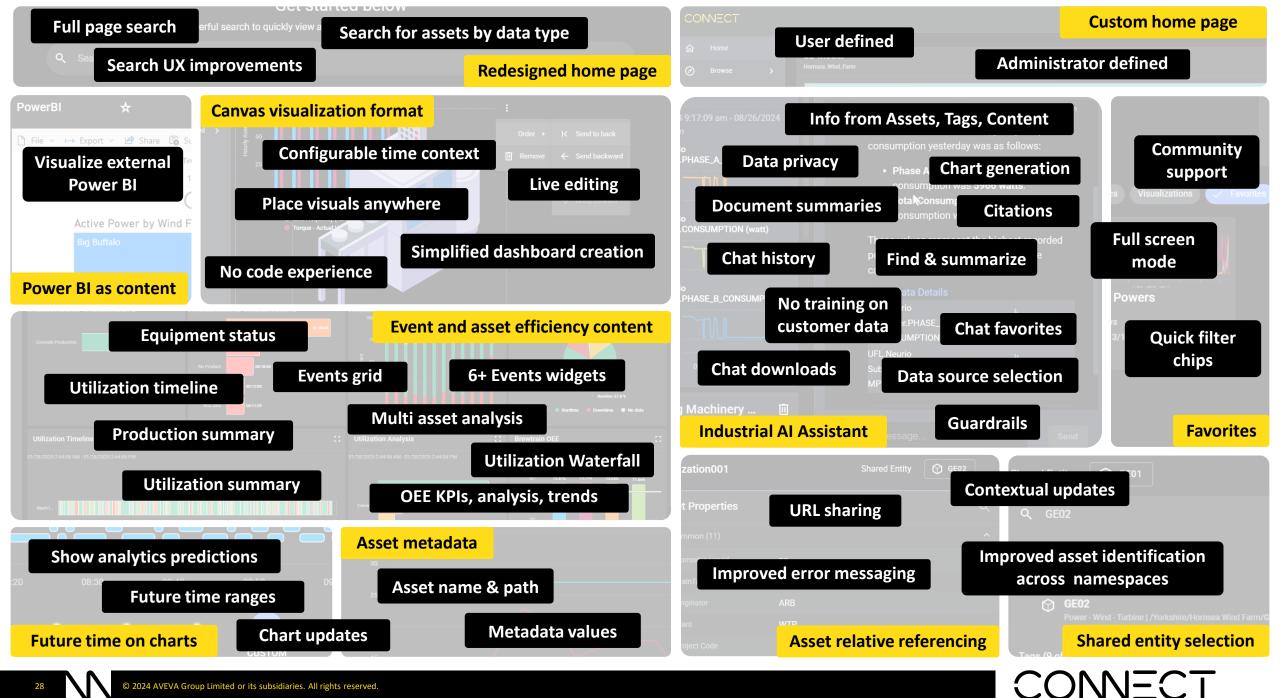
Asset-based visualizations can be comprised of mixed information that provide greater insight to the performance and maintenance of a single asset.

Arranged content can include timeseries data, metadata, 3D models, GIS, and maintenance and other documentation.



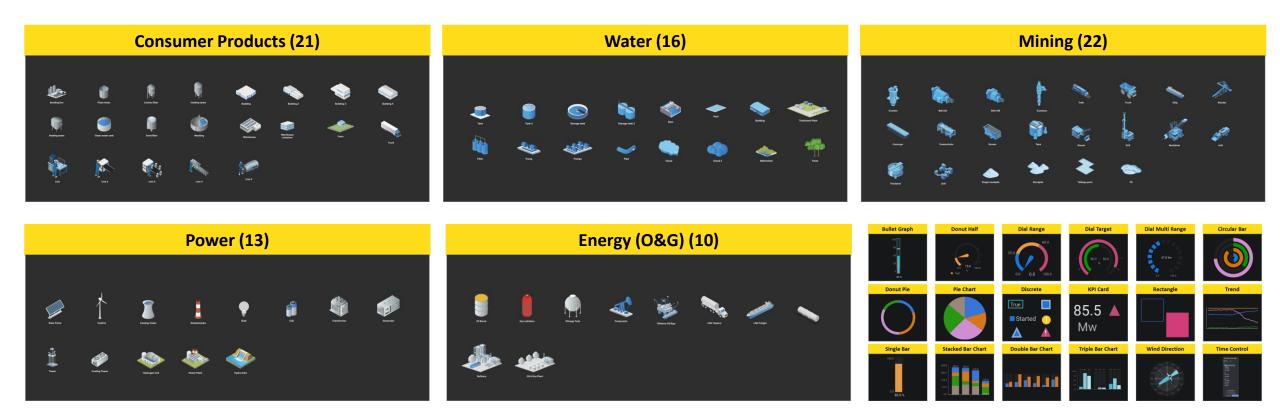
26





CONNECT visualization: Content library

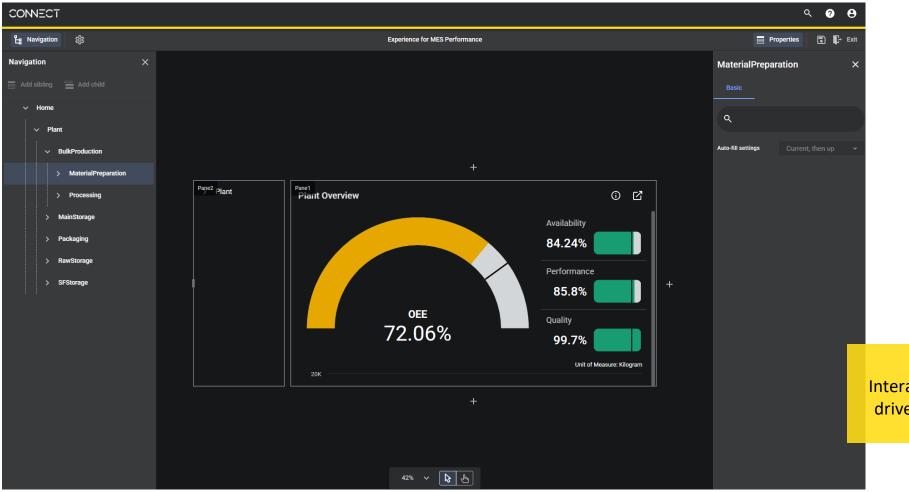
18 highly configurable graphics + 82 Isometrics for 5 industries ... to start





Experience designer

Used for assembling the more advanced Experience visualizations



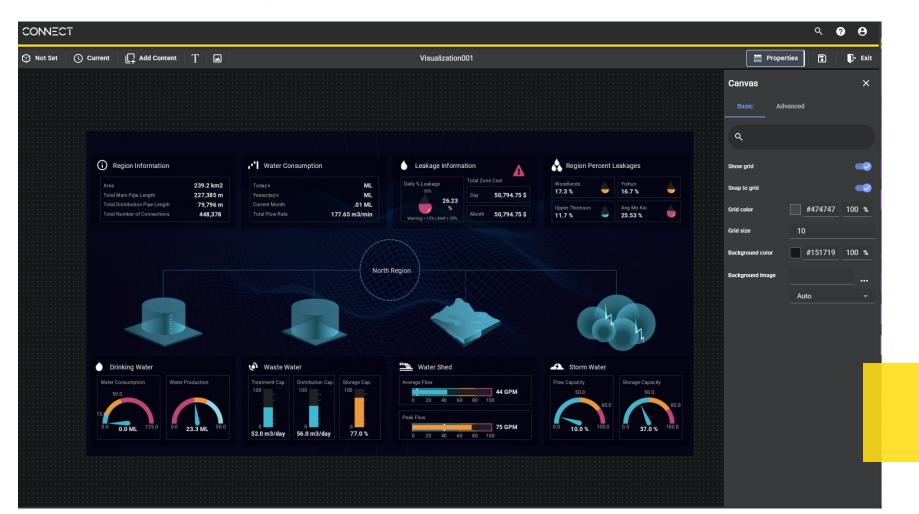
Experience Designer

Interactive visualization with dynamically driven content, advanced functions and deep customization.



New Canvas layout

Used to freeform design Visualization Dashboards



Canvas Dashboard freeform Visualization to design Enterprise-wide views.



Deliver enterprise industrial insights that deliver more value

Enterprise Insights

CONNECT visualization

exect on the section of the sectio	6 1)dyna fation) 6 1)dyna (analol) 9 (dyna fation)
- and particular control of the second secon	
12.000000 0.200011 000 00000000000000000	
Average G-Forces C XY Plot warms C C00000011100000001100000001100000000010000	년 : Summary Calculations 년 202031118/2148

Visualization of enterprise data in context

AVEVA Advanced Analytics

Non March Sale Despin Name Holes Despin Patter Holes <th></th> <th>Iveniew</th> <th></th> <th>i</th> <th>What data does this r</th> <th>nodel use?</th> <th>Let 16 TONO</th> <th></th>		Iveniew		i	What data does this r	nodel use?	Let 16 TONO	
April Section Law Constraints and an analysis of the section Law Constraints and the section L	Name				Actual Quality	le:	Property Input Active	Â
Intercentry Inte					Agitator Speed.Value	le:	Property input 📫 Active	1
Non- 2 Acad Standard plant / Altern / March /					Filling Flow.Value	IC.	Property input (Active	
Planetic que (Marc) Marc Instrumentary faire (Marc) Marc •Madrice marcong (Marc) Marc •Madrice marc •Madrice marc •Madrice marc •Madrice marc •Madrice marc •Madrice marc •Marc •Marc <t< td=""><td>Twin</td><td></td><td></td><td></td><td>Product Exact</td><td></td><td>ler Event 🧰 Artive</td><td></td></t<>	Twin				Product Exact		ler Event 🧰 Artive	
The definition of the definiti	e N	airobi Bottling Plant / Mixers .	/ Mixer 2				L LIGHT	*
Under condext Condext Condext Condext Condext Made not Image: Condext Condx Condext Condext Condext Condx Condext Condext Cond	Active	e?: 🥑 Last Training: 🖡	feb 14th, 2024 at 11:35 D	ata collected every: 0:15 E	secutes every: 0:15 Retraini	ng every: N/A	 Model is executing 	Û.
			collected?	Valence the Model's configuration.	with your Twin's data.			
		Contrinto	Complete	Completed	Consists	Baady	Conditte	
Complete Complete Complete Complete		A 1						

Powerful analytics and AI models driving operations improvements

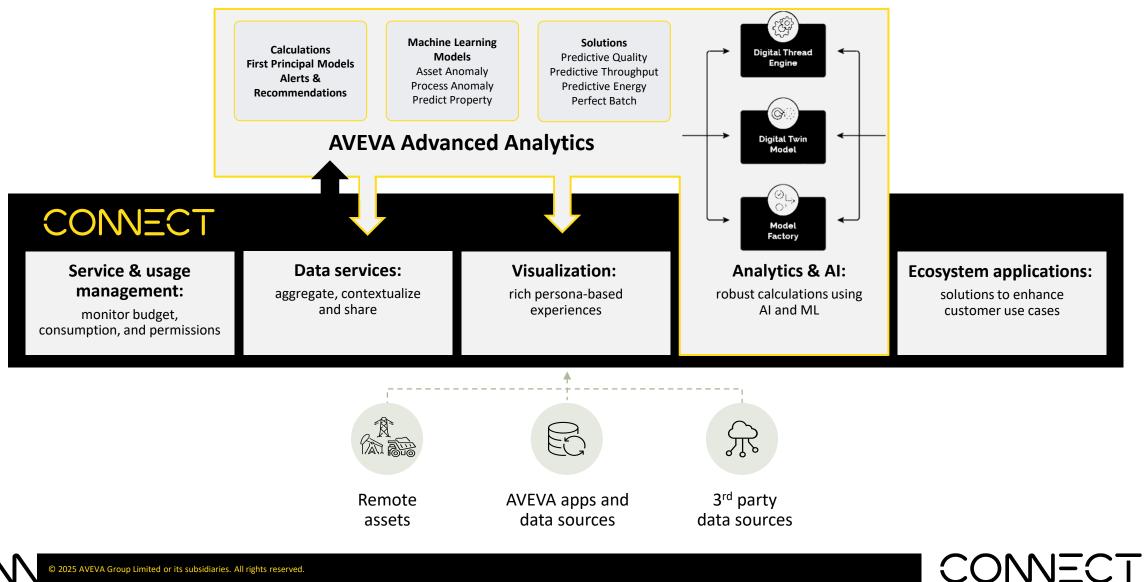
CONNECT Industrial AI Assistant

capa inform	e values provide a snaps city of the Hornsea Wind mation or further analysis / Data Details	Farm. If you nee	ed more detailed	
		CURRENT VALUE		
	Active Power Expected Power Turbine Installed Capacity Daily Energy	8,947.8 kilowatt 6,216.3 kilowatt 31,500 kilowatt 61.831 megawatt hour		
		,		_

Natural language interface for your enterprise data



Connect AI with all industrial data and visualization



33

Al-driven optimization for industrial excellence

Process Optimization

Perfect Energy

Operate at the sweet spot of production and energy consumption

Perfect Production

Automate investigations and understand performance drivers with ML

Perfect Quality

Reduce variability, eliminate losses, and improve operational flexibility

Perfect Batch

Continuously evaluate batch performance and automate actions

Perfect Centerline

Identify optimal operating conditions for the best performance, yield, or quality



Asset Optimization

Uptime Optimization

Real-time alerts and recommendations to avoid downtime events

Throughput Optimization

Maximize production output on a per-product and per-asset basis

Asset Reliability

Predict and prevent common failure modes at scale

Asset Life

Maximize serviceable life and proactively manage failure risks at scale

Asset Anomaly Detection

Detect asset anomalies in real-time, prioritize by impact, enable early intervention



CONNECT data services for a data analytics platform at F. Hoffmann-La Roche Wednesday, April 9 @ 1:15 pm | Room 2001-2003

F. Hoffmann-La Roche requires a reliable cloud-based data platform

Roche

Pharma & Life Sciences | Switzerland - Global

Challenges

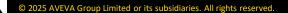
- Availability of relevant data for business analysts of ROCHE
- Terabytes in the PI System become petabytes in a commercial data lake
- Complex server landscape to aggregate data at global scale
- High skill set and expertise required to work with data
- Demonstration of project results in less than 3 months (target milestone: Hannover Messe)

Solution

- Leverage CONNECT Data Services (aka AVEVA Data Hub) as industrial data enablement infrastructure
- Leverage AVEVA Advanced Analytics for rapid implementation of self-service data analytics
- Partnership approach: Client Vendor Integrators

Results

- End-to-End data availability
- Major reduction of data consumption cost (petabytes become terabytes again ⁽ⁱⁱⁱ⁾)
- Potential reduction by approx. up to 70 servers within the entire system landscape
- accelerated time-to-market for industrial data-products





We didn't expect to have tangible results within such a short time frame. CONNECT data services supported by a strong partner (Capgemini) accelerates the timeto-value of a cloud-based data infrastructure significantly.

- Heiko Trefzger, ROCHE, Product

Manager, Data & Insights

CONVECT

Deliver enterprise industrial insights that deliver more value

Enterprise Insights

CONNECT visualization

co	NNECT						् 🛛 🤅
		(Site 512) Machine 74656 Dashboard					
		Chassis Temperature		Average Tem_ 🕑 🖸	Module Temperature		
				A constraints of the second se	~~~~	~~~	~~ ~
			C C G-Forces			1041 X-Y Plot	
		ENERGIA I I I SUSSIONE I I I SUSSIONE I I I SUSSIONE General Music I I A Automation & 0.999311 I VALUERING & 0.032374 I Z. Automation & 0.032374 I Z. Automation & 0.032374 I X. Automation & 0.03			• 12Asidentoo	1002202111029.pe-020 34 345 345 345 345 345 345 345 445 445	6002 434 meteoreties
		Average G-Forces 🛛 🖄 🖸 X-Y			C [*] C Summary Ca	louistions	
		E010220241138626.pm-E0002024113626.am 0009				25 pm - 07/83/2024 11:06:25 pm	

Visualization of enterprise data in context

AVEVA Advanced Analytics

Overview			What data does this	model use?	Let 16 TONO	
Name	Description		Actual Quality	le:	Property Input Active	^
MkeerQualityModel class 🥜	Predict quality pa based on process	rameter , s deta	Agitator Speed Value	le:	Property input 📫 Active	
Problem To Solve Perfect Quality			Filling Flow.Value	le:	Property input Active	
Twin			Product Event		lg: Event 🥌 Active	
e ^a Nairobi Bottling Plant / Mixers	/ Mixer 2		Product event		Exert a Active	
Active?: Cast Training:	Feb 14th, 2024 at 11:35	ata collected every: 0:15 E	secutes every: 0:15 Retrain	ing every: N/A	 Model is executing 	Â
What data should the Model consider?	When should data be collected?	Validate the Model's configuration.	Start training a Model with your Twin's data.	See what your Model found in your data.	When should the trained Model run?	
	(5		3	al _ 0		
	AT THE APPLICATION					
Add Data	Set Timing	Evaluate Model	Start Tolking	Review Results	Operationalize Model	
Complete	Complete	Completed	Complete	Ready	Complete	
0						

Powerful analytics and AI models driving operations improvements

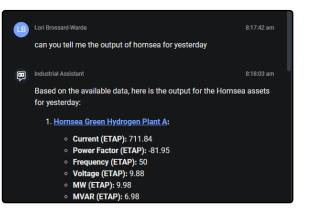
CONNECT Industrial AI Assistant

capa infor	e values provide a snaps city of the Hornsea Wind mation or further analysis v Data Details	Farm. If you nee	ed more detailed	
		CURRENT VALUE		
	Active Power Expected Power Turbine Installed Capacity Daily Energy	8,947.8 kilowatt 6,216.3 kilowatt 31,500 kilowatt 61.831 megawatt hour		
	,	,		

Natural language interface for your enterprise data



Natural language interface



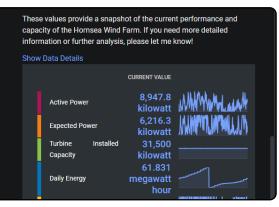
Citations show work (transparency & traceability)

📎 Tags (9)		^
Input	GE07 temperature 1 Days	
Result	GE07.Bearing Shaft Temperature GE07.External Oil Heater Temperature GE07.Cearbox Bearing A Temperature GE07.Gearbox Bearing B Temperature GE07.Gearbox Temperature GE07.Generator 1 Temperature GE07.Generator Cooling Air Temperature GE07.Tower Base 1 Temperature GE07.Tower Base 2 Temperature	

Content search & summarization

B	Lori Brossard-Warda what are the temperatures of GE07	8:26:49 am
ņ	Industrial Assistant The current temperatures for various components of turbine as follows:	8:27:26 am <u>GE07</u> are
	Bearing Shaft Temperature: 71.32°C Gearbox Bearing A Temperature: 71.84°C Tower Base 1 Temperature: 6.65°C External Oil Heater Temperature: 56.83°C Gearbox Temperature: 20.70°C Gearbox Temperature: 69.57°C Gearbox Bearing B Temperature: 71.62°C Gearbox Temperature: 46.78°C	ľ

Generate dashboards & charts inline





Industrial AI Assistant

Natural language interface to your data in CONNECT

Industrial AI Assistant

Leveraging the power of Generative AI in CONNECT

Integrate the power of Generative AI with your industrial data.

Quickly find and summarize information by asking a digital intellect natural language queries through a chat interface.

Fast onboarding to supplement SMEs and non-SMEs.

Model is never trained using data from the customer's account.

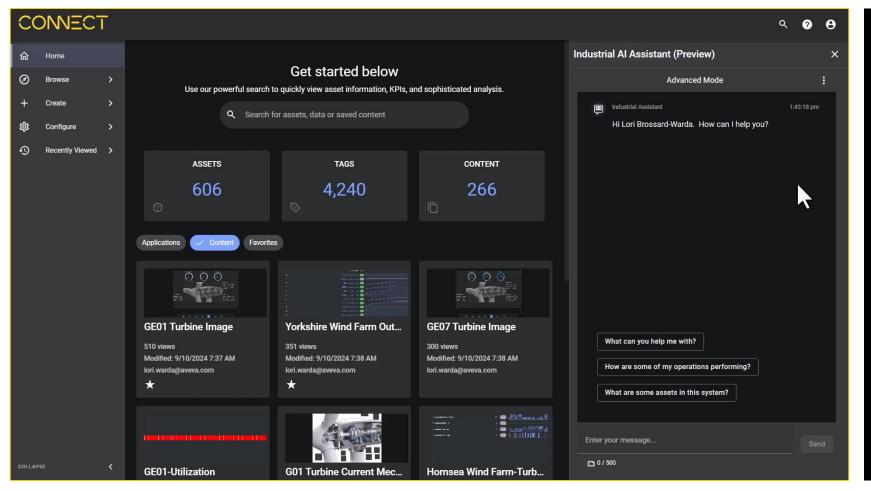
PREVIEW TODAY What are the bearing and nacelle temperatures for GE07 Was the temperature for my bearing higher this week or last week? Lori Brossard-Warda 10:28:22 am what has been the wind velocity at hornsea wind farm this week Do I have a dashboard on utilization? Industrial Assistant 10:28:38 am Wind Velocity Data at Hornsea Wind Farm for This Week Do I have any Based on the available data, here are the relevant metrics for wind velocity at the Hornsea Wind Farm over the past week: stoppage events in Hornsea Wind Farm 1. Wind Speed: • Current Value: 5.55 meters per second (m/s) for the last 24 hours? • Minimum: 2.32 m/s • Maximum: 18.69 m/s • Average: 8.64 m/s Summarv The wind speed at Hornsea Wind Farm this week has varied Does the document provide significantly, with a minimum of 2.32 m/s and a maximum of guidance on maintenance 18.69 m/s. The average wind speed over the week has been activities for high bearing 8.64 m/s. This data indicates that the wind conditions have been quite variable, which is typical for offshore wind farms. temperature? If you need more specific details or further analysis, please let me know! Do we have a 3D Model for Hornsea Wind Farm? Do I have a trend for GE01 output?

CONNECT

Coming soon

General Availability May

Industrial AI Assistant – generating visualizations



- Save time and clicks by using natural language to create visualizations
- Initially, will be very explicitly create a visualization with a line chart that shows the temperature data from GE01
- Expanding to more implicit requests – create a visualization highlighting the operating conditions at GE01
- Extending the learning and capability to other products / solutions

CONVECT



Enterprise Insights: Recommended sessions

From Data to Decisions: How AVEVA Al is Shaping the Future of Industry Tuesday, April 8 @ 2:15 pm Room 2001-2003

Visualizing industrial data with CONNECT Tuesday, April 8 @ 3:00 pm Room 2005-2007

Machine learning made easy with AVEVA Advanced Analytics in CONNECT Tuesday, April 8 @ 2:45 pm (15 min) CONNECT Lounge

Powering Industrial Analytics & Machine Learning with CONNECT & AVEVA Advanced Analytics Tuesday, April 8 @ 3:45 pm Room 2005-2007 User created dashboards and displays in CONNECT with the Visualization designer Wednesday, April 9 @ 12:00 pm (15 min) CONNECT Lounge

Define interactive visualizations in CONNECT with the Experience designer Wednesday, April 9 @ 1:15 pm (15 min) CONNECT Lounge

CONNECT data services for a data analytics platform at F. Hoffmann-La Roche Wednesday, April 9 @ 1:15 PM Room 2001-2003

From Data to Decisions: using the Industrial AI Assistant to get there quicker Wednesday, April 9 @ 2:45 pm (15 min) CONNECT Lounge

Visualize your data together in CONNECT (featuring the Industrial Al Assistant) Wednesday, April 9 @ 4:15 pm (15 min) CONNECT Lounge





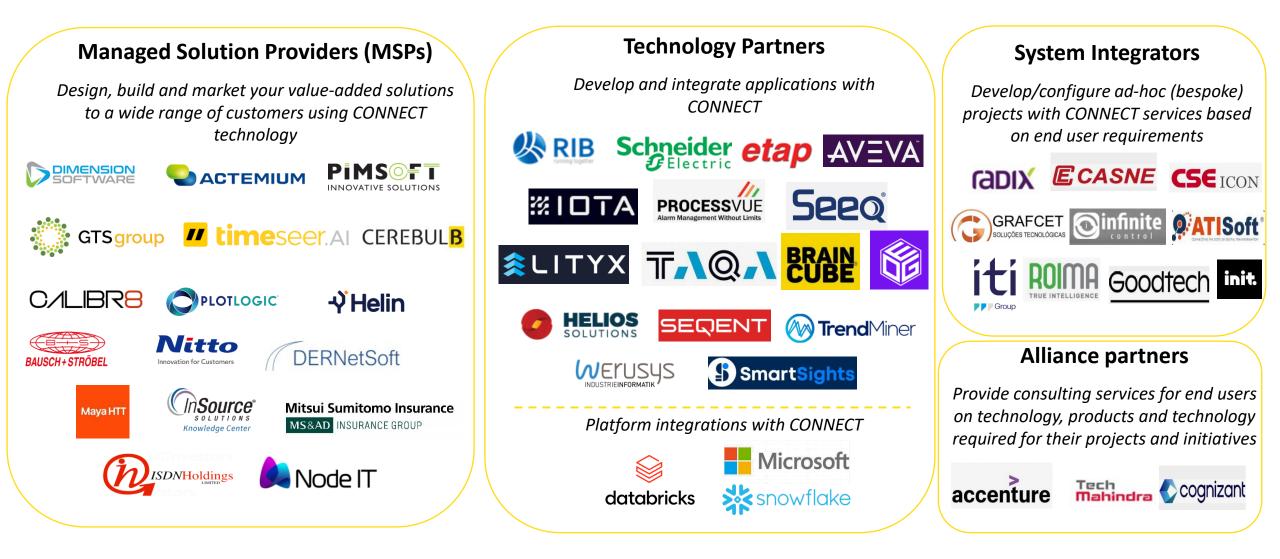
CONNECT ROADMAP THEME



Drive industrial transformation through a network of partner applications and services



CONNECT ecosystem



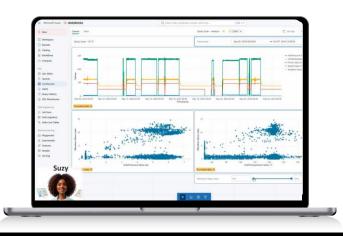




Drive industrial transformation through a network of partner applications and services

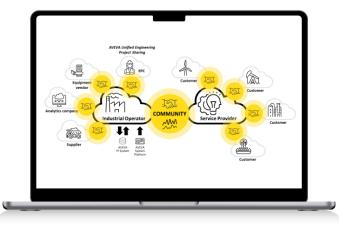
Ecosystem

Databricks Integration



Live industrial data for data science

Community sharing across companies



Powering your industrial ecosystem with connected community

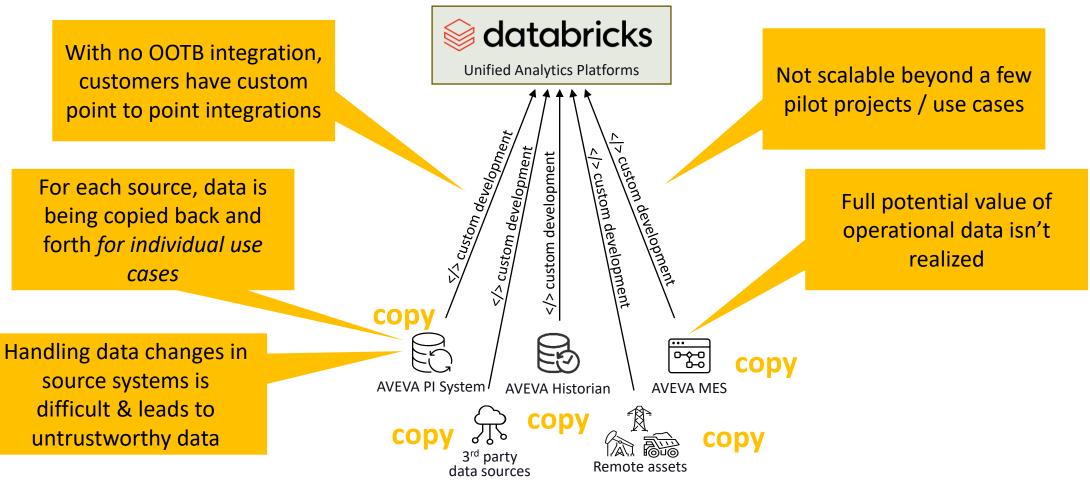
CONNECT Ecosystem

G .	Catalog	🐺 Filter by keyword		= 83
6	Explore	C8 H2 Transformer Monitoring	Helin Platform	PubseEight Intelligent Devices
() +	Industries DI Gas and Energy (27)	 Advanced hydrogen sensing system for soal time monitoring the ICI gas involved power blockformers. 	On top of scalable data management and braining is cloud from CONNECT data services, the Helin Platform brings High- performance analytics is the edge.	Wo MS find whethers dynamic chambelie reservoir management system for operators to manage and enhance successfy in their reservoir over firm.
	infrastructure (25)	Integrates with Data services	Integrates with Date services	Interpotes with Outo services
6, 9	Manufacturing (25)	O/LBR8	∜Helin	THOM
X : 3 :	Power and Utilities (23) Transportation (17)	Contract us	Contact us	Contact as
ismed.	Chemicals (11)	AVEVA" Advanced Analytics	AVEVA" Asset Information Management	AVEVA" Unified Engineering
60 ·	Mining Metals and Minerals (16)	Maximize the value of your specificity data by presiding teal-time	Aggregate data from multiple sources and formats in an easily	A data-certric environment for sual-time empireering data. Spans
e i	Service type	predictive and preacriptive insights to improve preduction efficiency and reduce waster-all how one cloud based SeaS.	searchable single source of truth. Lavers (pours delar sit arret, consectetur adquesing elit, sed-da elusinoid tempor.	the coveraptual design, FEE3, and detailed design phases of your property lifetysie.
80 ·	Engineering	Integrates with Data services	AV=VA	AV=VA
o ,	Dpenations	AVEVA	m-m	DI-10
dager tasks	Data Management	Contact us	Contactua Learn more	Contact as
0	Deta Visualization			
	Vendor	V RIB CostX	EcoCare	etap App
	Integrates with	An ali-in-one 2016M and 25 take off and estimating solution that serves you line and money and reduces complexity and errors while increasing compatibility and flexibility.	ESSEase membership bootts the safety, efficiency, sealiency and subtimolity of your electrical destruction. Lowers pour other sit anest, consectedur adjoisong elit, sed do exempt tempor.	stapAPP* is a tablet application to streamline-field data sublection as well as model, verify, and visualize electrical systems using logical and geospatial asset/location and connectivity.
,		🚷 RIB	Line of Standar	etap

Easily find CONNECT apps and solutions



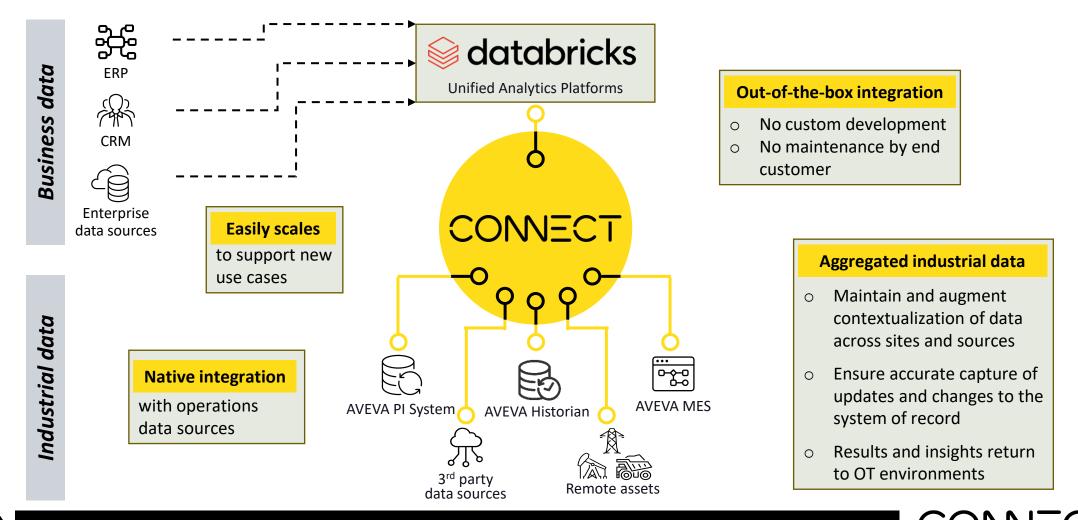
Past: Custom fragmented solutions that aren't scalable



CONNECT

Today: Live industrial data for data science

Authoritative, high quality, contextualized live sharing of data between OT and IT environments



© 2023 AVEVA Group plc and its subsidiaries. All rights reserved



Drive industrial transformation through a network of partner applications and services

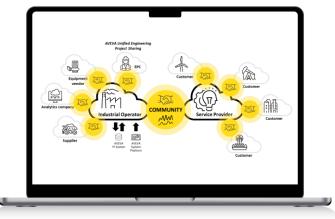
Ecosystem

Databricks Integration



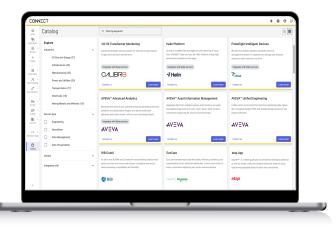
Live industrial data for data science

Community sharing across companies



Powering your industrial ecosystem with connected community

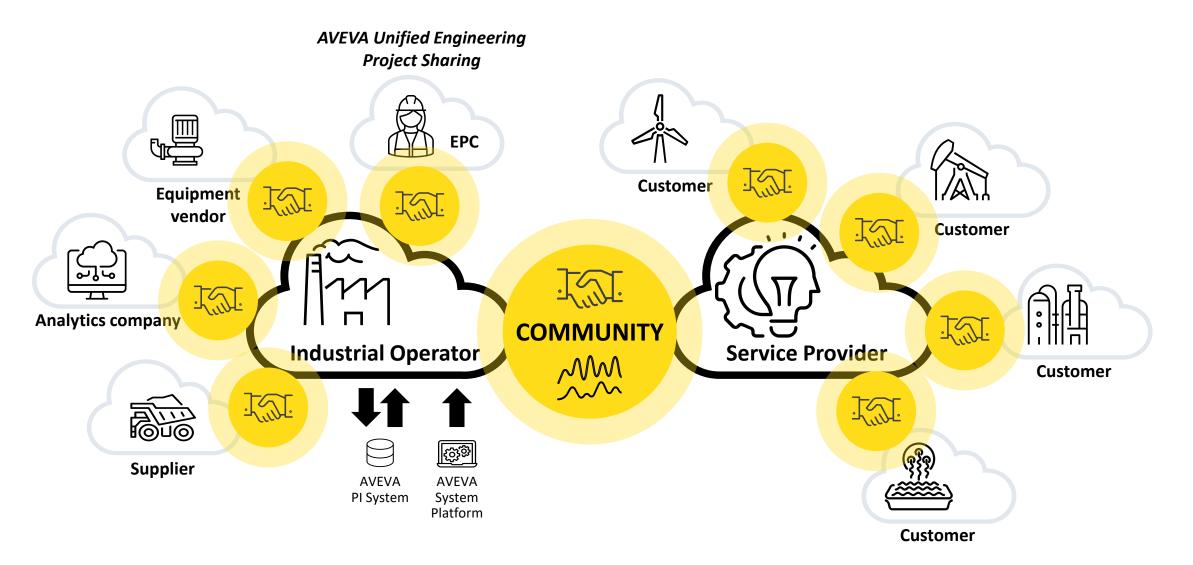
CONNECT Ecosystem



Easily find CONNECT apps and solutions

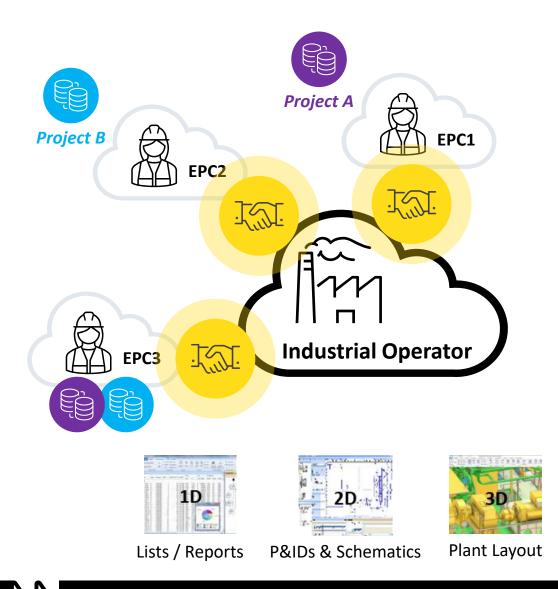


Powering your industrial ecosystem with connected community





Cross company collaboration with AVEVA Unified Engineering



Features

- Connect multiple sites to your trusted Engineering, Procurement, & Construction partners through CONNECT communities
- Easily manage AVEVA Unified Engineering project sharing scopes with different EPCs
- Commercial flexibility with "bring your own credit" option for partners/contractors

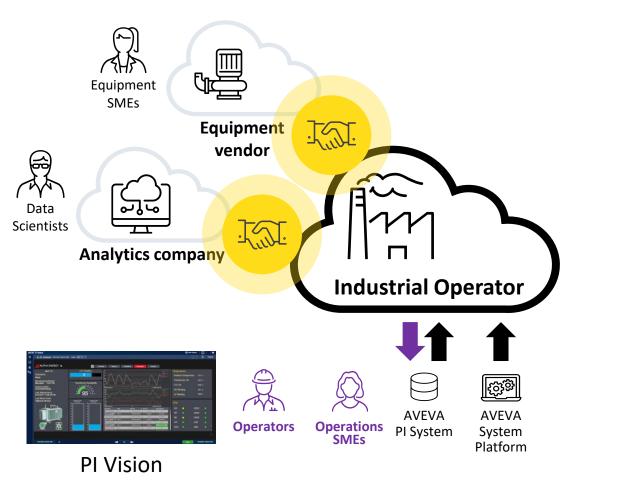
Benefits

- Share Engineering projects without copy/sync operations
- Keep complex engineering project information up to date across multiple companies
- Enable real time multi-company, multi-site, & multi-project collaboration



CONNECT to PI Agent: Community write back

Operationalize analytics insights back to on prem



Features

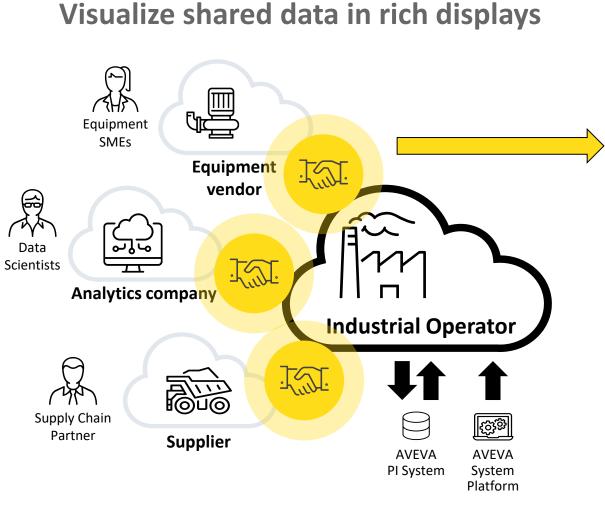
- Transfer data streams shared through CONNECT communities to PI Tags.
- Works with real-time, historical, and future data streams
- Supports backfilling and transfer to high availability collectives
- Manage CONNECT to PI Server data flows centrally from cloud

Benefits

- Use advanced analytics capabilities in the cloud and bring the results and insights back on-premises
- Enhance collaboration between operations experts and data scientists and trusted business partners.
- Empower operations with advanced analytics insights using their familiar tools and existing workflows



CONNECT visualization: Community support





Features

• Visualize community shared data in CONNECT visualization services along side data in your tenant.

Benefits

- Use shared data along side your own data in rich contextual visualizations and dashboards.
- Enhance collaboration between operations experts and your trusted business partners.





Drive industrial transformation through a network of partner applications and services

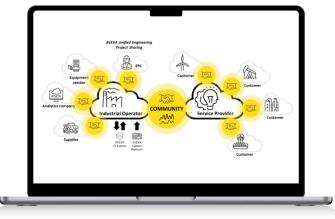
Ecosystem

Databricks Integration



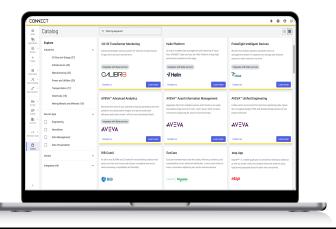
Live industrial data for data science

Community sharing across companies



Powering your industrial ecosystem with connected community

CONNECT Ecosystem



Easily find CONNECT apps and solutions



CONNECT Ecosystem solutions listing

One stop shop with solutions for your industrial challenges

	CONVECT		CONNECT Ecosystem Solutions
Visualization	Analytics & Al	Community	Schneider & RIB etap WERUSUS
lı	ndustrial digital twin	Ecosystem	
Ingress & Storage	Data servicesKnowledge GraphEnablement	App development	
Security, s	service & usage management		

CONNECT Ecosystem solutions listing

- Partners can list their solutions via self service portal
- Customers can easily find partner apps integrated into CONNECT user experience
- Customers can contact partners for more information

PIMSOFT

DERNetSoft SARTURIUS

Consource - VHelin TTADA WIDTA E

Mitsui Sumitomo Insurance 🗱 Limble A POLLO Seeo

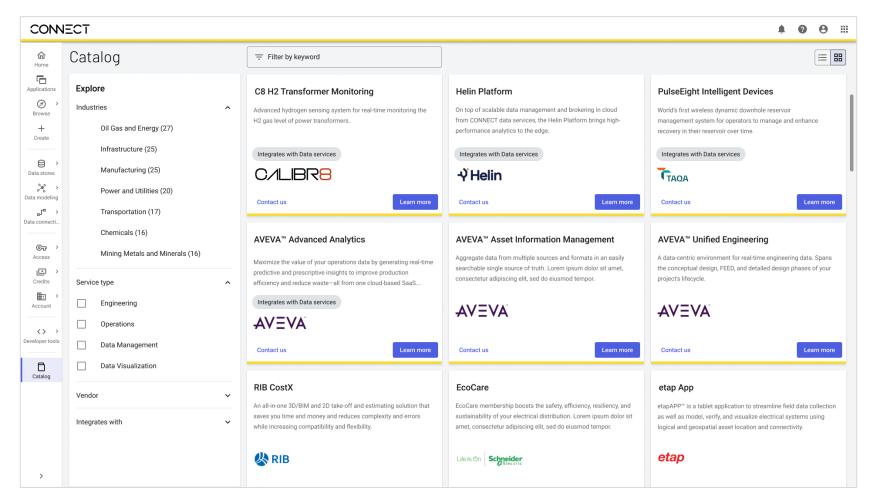
https://www.aveva.com/en/connect-experience/connect-ecosystem

BAUSCH+STRÖBEL

MS&AD INSURANCE GROUP

CONNECT Ecosystem solutions listing

One stop shop with solutions for your industrial challenges



Prototype

54





Industrial Ecosystem: Recommended sessions

Visualizing industrial data with CONNECT Tuesday, April 8 @ 3:00 pm Room 2005-2007

CONNECT Communities: Data sharing is data caring Tuesday, April 8 @ 4:15 pm (15 min) CONNECT Lounge Data sharing from CONNECT to Databricks Wednesday, April 9 @ 11:15 am (15 min) CONNECT Lounge

Amping up Unified Engineering with the power of CONNECT Wednesday, April 9 @ 11:45 am Room 2002

CONNECT & Databricks: Unifying IT & OT data for smarter, sustainable operations Wednesday, April 9 @ 2:00 pm Room 2001-2003





CONNECT ROADMAP THEME

📓 Industrial Digital Twin 🐺

Harmonize siloed engineering and operations data together for a shared version of industrial truth



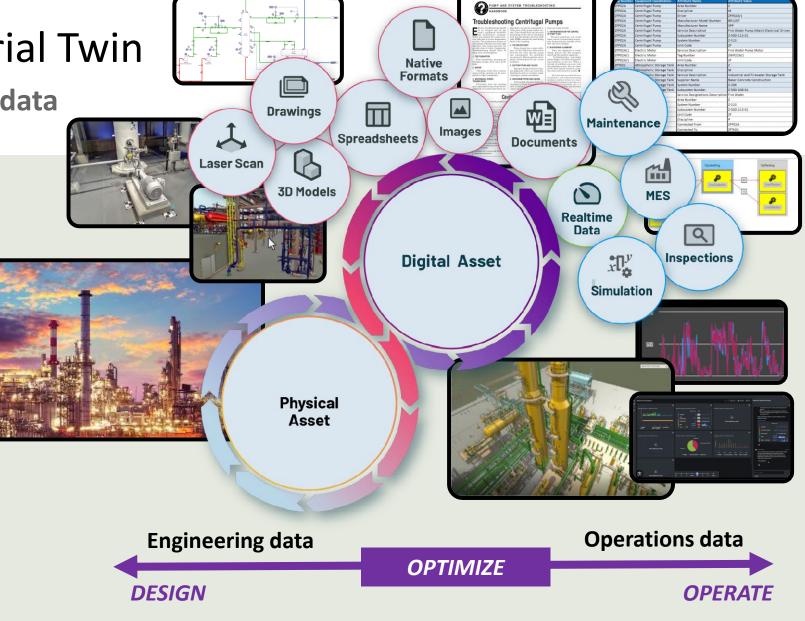


AVEVA's Digital Industrial Twin

A map for ALL YOUR industrial data

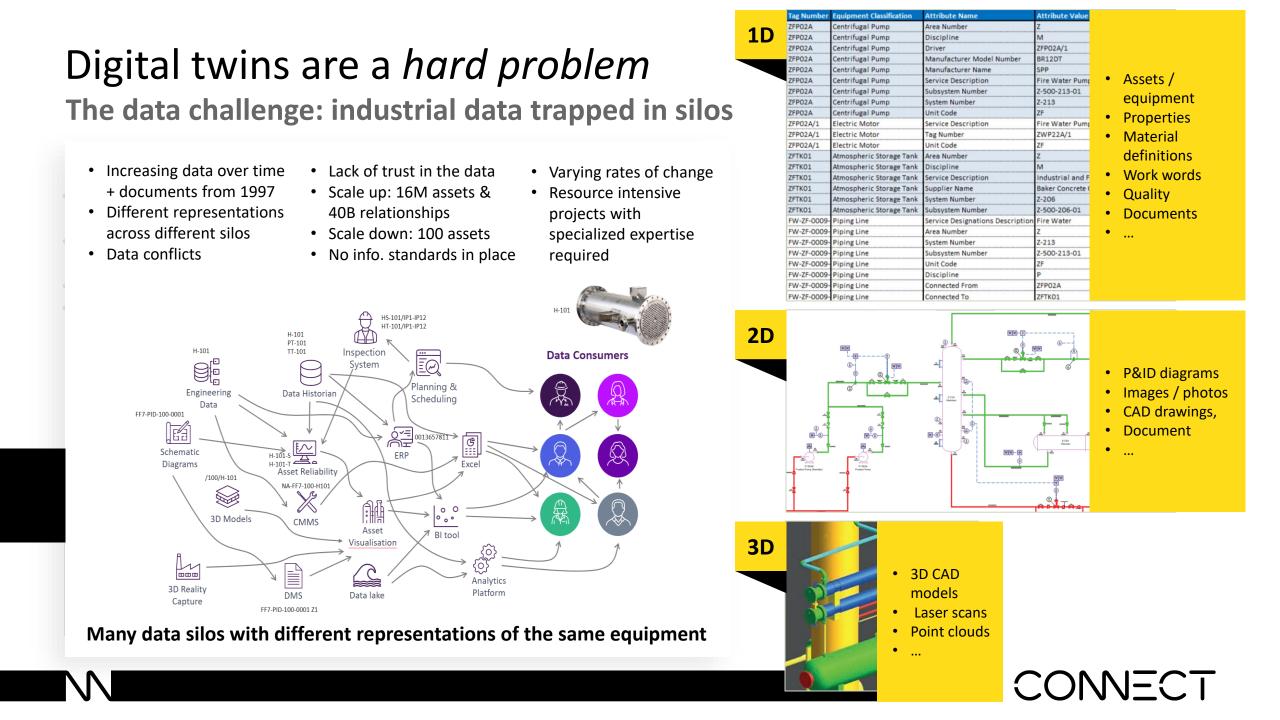
AVEVA'S Industrial Twin is a digital representation, which harmonizes data from a variety of systems/sources, in context to form a digital representation of a system, plant or piece of equipment and includes the visualization of the information.

Digital twins can help many kinds of organizations **rapidly access information** and simulate real situations and their outcomes, ultimately allowing them to **make better decisions**.

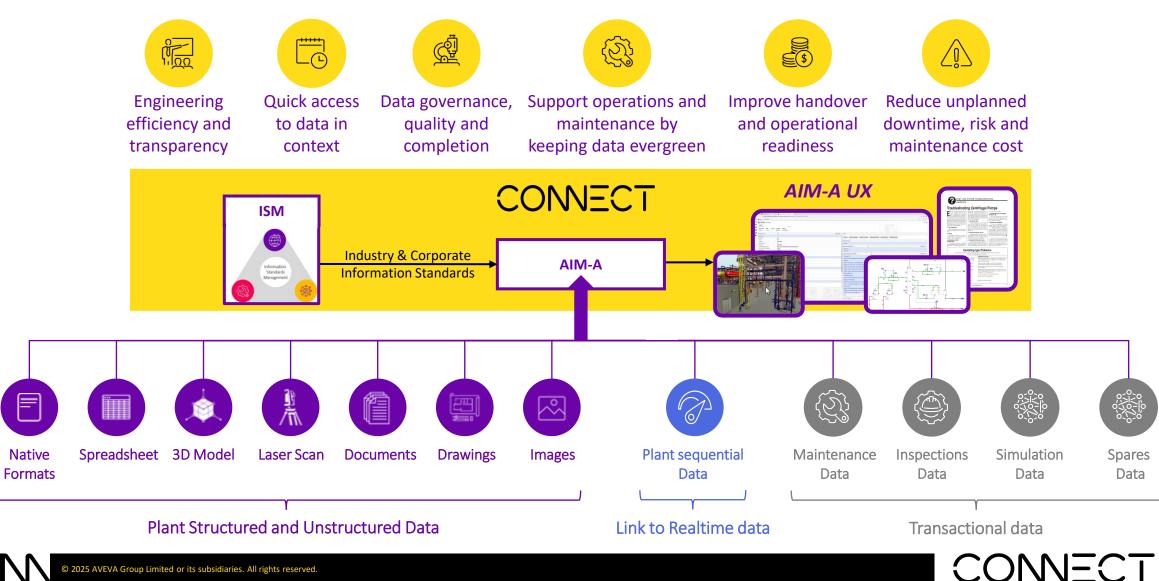








AVEVA Asset Information Management (AIM-A)



E

CONNECT

CONNECT Industrial digital twin roadmap journey

Leverage your existing investments today

CONNECT



CONNECT: Engineering data visualization

Visualize engineering data from AVEVA Asset Information Management (AIM-A)

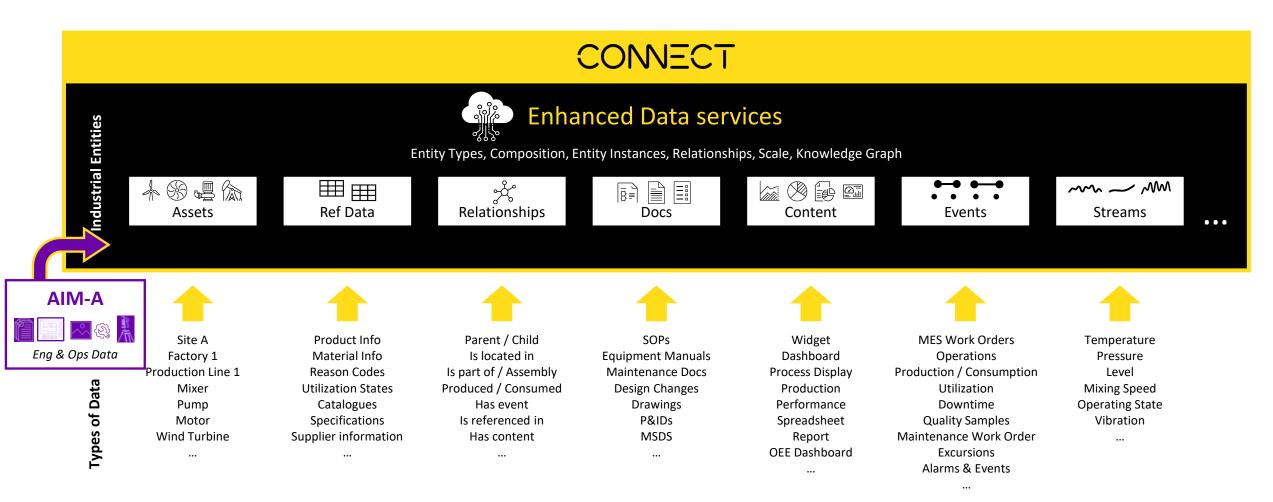
Library of configurable 1D, 2D and 3D data content types:

- 3D viewer
- Doc viewer
- Point cloud viewer
- Properties
- Relationship explorer
- Relationship viewer
- Report viewer
- Microsoft Power BI

AVEVA							९ Ø B
fa Home ⊘ Browse > + Create >	J-9002A						
ණී Configure >	Asset Info 🖸	Engineering Details		8	Attributes		۹ ::
Recently Viewed >	E Description not defined	Active			Detail (8)		^
	Description not dennes	Name / Title	LP Flare KO Drum Pump		Cosphi	0.84	l.
		Туре	Ритр		Dry Weight	249 kg	
		Parent			Height	388 mm	
		Location			Length Nominal Diameter	601 mm 435 mm	
		Aliases			Operating Voltage	690 V	
					Rated Power	3.5 kW	
	Status Board 🖸 🖸	3D Models IED Model	• ℓ % İ K	::	Relationships		
	07/03/2024 12:00:00 em - 67/03/2024 11:49:05 pm CURRENT VILUE TIEND Discharge Flow Rate gallon per minute 147.65 pound- Suction Pressure force per square inch Downtime Reason Oode 0				has detaset (1) has detaset (1) has document (1) has event (2) is a part of (1) is an easembly includen is docated in (1) is a referenced by (27)	1(4)	
	Documents 🗇 🛱 🛱 🔀 🕻 🕻	Events		::	Parts		@ ::
		5.000000000000000000000000000000000000	NG-0032.99002A NG-003452	^	Motor, Non-Electrical (1) <u>M-9002A</u> Piping Item, Miscellaneous (3)	Motor	^
COLLAPSE 🖌							
COLLAPSE <	40-44-500 CT-44-52						



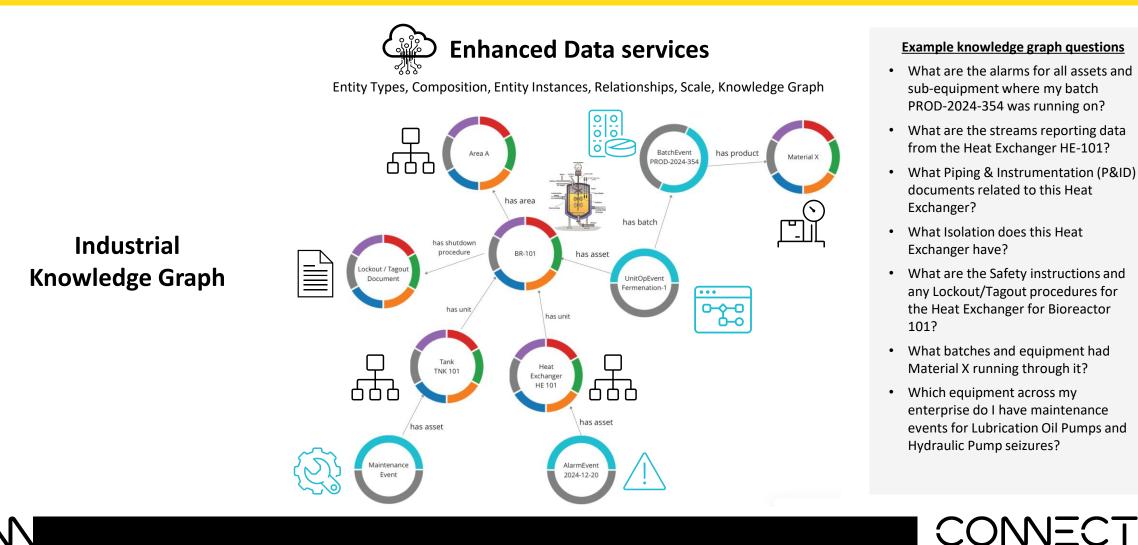
CONNECT: Storing broader types of industrial data





CONNECT: Industrial knowledge graph

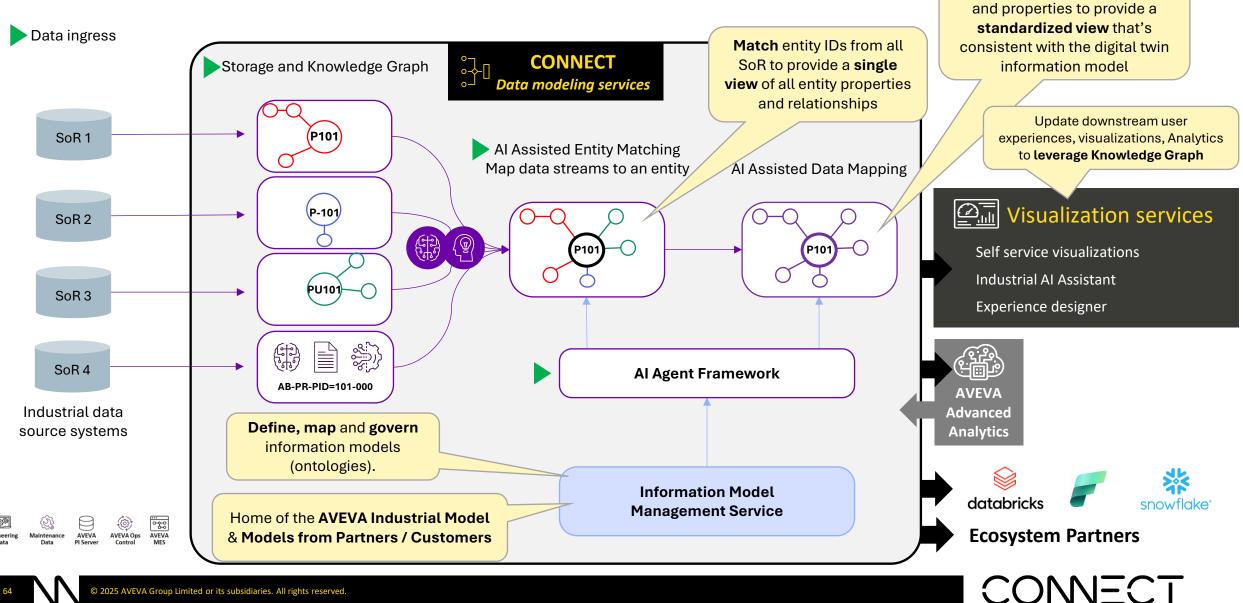
CONNECT



In development

Map entity types, relationships

CONNECT Industrial digital twin future state





Industrial Digital Twin: Recommended sessions

Building and Evolving a Digital Twin Leveraging your existing investments Tuesday, April 8 @ 4:30 PM Room 2005-2007

AVEVA Roadmap: Engineering Information Management Wednesday, April 9 @ 1:45 PM Room 2005-2007 Panel: Industrial Data Management / Digital Twin Thursday, April 10 @ 10:00 AM Room 2010-2012

Interactive Customer Panel & Tech Session | CONNECT, digital twins, ecosystems and AI in electric utilities. Thursday, April 10 @ 10:00 am Room 2004





CONNECT Roadmap Summary



CONECT Industrial Intelligence Platform Roadmap

G€	TBD Future	Planning	In development	Available (new)
Hybrid	 AVEVA Engineering authoring data store Additional integrations from AVEVA 	 Support for enhanced data services (entity & store & relationships, hierarchy) Data views AVEVA MES AVEVA Production Management PI Event Frames to CONNECT Events PI Vision displays to CONNECT visualization System Platform Alarms & Events to CONNECT Events Pharma industry compliance: audit trail & continuous validation 	quality use cases Pharma industry compliance: GxP gap analysis & continuous validation POC	 AVEVA System Platform 2023 standalone publisher [Mar 2025] CONNECT writebacks to PI [2024] AVEVA System Platform assets [Nov 2024] AVEVA Production Management event visualizations [2024] AVEVA MES production reporting [2024]
68	© 2025 AVEVA Group Limited or its subsidiaries. All rights reserve	Items and dates on this roadma	p are subject to change	

April 2025

CONECT Industrial Intelligence Platform Roadmap

TBD Future	Planning	In development	Available (new)
 CONNECT visualization PI Vision displays to CONNECT visualization Collaboration Industrial Al Assistant Ad hoc analytics Embedding in vis experiences More generation capabilities & use case 	 Industrial AI Assistant Support for enhanced data services (entity) Advanced Analytics Support for enhanced data services (entity) 	 CONNECT visualization App experience designer [May 2025] Developer widgets content SDK & library [3Q 2025] AIM-A engineering digital twin visualization [3Q 2025] Industrial AI Assistant [May] Asset metadata Documents + Dashboard generation Advanced Analytics Improved self service Work process integration 	 CONNECT visualization Enhanced integration with data services: assets, events, metadata [Feb 2025] Industrial AI Assistant Finding & summarizing data & MES data Generating data charts Simple analysis of data Basic Documents Citations, Help support Advanced Analytics Australia region [March 2025] New AI models Multi-Objective Model

April 2025

CONNECT

CONECT Industrial Intelligence Platform Roadmap

	TBD Future	> Planning	In development	> Available (new)
Ecosystem	 Community Virtual Table support Community event sharing Community display sharing Account subletting 	 CONNECT Ecosystem Partner Listing Data views support for enhanced data services (entity store) Virtual Tables: Microsoft Fabric Integration Virtual Tables: Snowflake Integration Change broker for enhanced data services (entity store) Community support for enhanced data services & entity / asset sharing 	 Community support in CONNECT visualization (include shared data in dashboards) [2Q 2025] Virtual Tables: Databricks Integration General Availability [2Q/3Q 2025] 	 Virtual Tables: Databricks Integration Limited Release [Apr 2025] CONNECT Community shared streams writebacks to PI [Jan 2025] AVEVA Unified Engineering Community Project Sharing [Dec 2024] Community data sharing (streams)

April 2025

CONNECT

CONNECT Industrial Intelligence Platform Roadmap

	TBD Future	> Planning	In development	Available (new)
Digital Twin	 Community support for mapping between customer and partner data models 	 Industrial AI Assistant support for enhanced data services. Native data ingress from 1D / 2D / 3D sources Linked data support Information Standards Management AVEVA Industrial Information Model AI Assisted data harmonization: data mapping 	 Enhanced data services (entity & event store, relationships, industrial knowledge graph) [Partner Preview 2Q 2025] CONNECT visualization AIM- A support: visualize 1D/2D/3D engineering & operations data in CONNECT [3Q 2025] AIM-A writes to enhanced data services [4Q 2025] Support for enhanced data services [4Q 2025] PI to CONNECT System Platform to CONNECT System Platform to CONNECT CONNECT visualization AI assisted entity matching [TBD 2026] 	Ism & AIM-A on CONNECT: harmonize engineering & operations data, standards management
71	© 2025 AVEVA Group Limited or its subsidiaries. All rights reserved.	Items and dates on this ro	oadmap are subject to change	

April 2025

Five CONNECT takeaways

Extend the value

of existing

investments

Enhancements for your industrial journey

New

Databricks

integration

CONVECT

databricks

EPC2

10_____

Industrial Op

2D -

50+

enhancements

& Industrial AI

Assistant



Industrial **Digital Twin UE project** sharing & vis. communities





Introducing the CONNECT Explorer Program

Empowering you with a simplified, low-risk evaluation of CONNECT use cases

The **CONNECT Explorer Program** empowers your teams and organization to explore and evaluate new CONNECT use-cases with:

- Assisted guidance of AVEVA technical resources
- Business development resources
- 3-months of free CONNECT licenses to test and evaluate CONNECT functionality and business value at zero-cost

A Hore									1 travital UNV 400	
E Data Management		•;	:					Ad	d Traces	,
d bracobecter		-						- 11	Assets Doos	**
treatanter		+0	-			_		- 18	leesh .	4
I ANAVEN								- 15		
ð Seurb								: L !	0 1103 (Joed Chub) Insetting .	
Constant facts		-						11	Disprest (Redef) (Vale	+
O legent		Plan -							Daipreent/Reade2/Volue	+
									Intervent Pastel Title	
		11-10 12-00 12-00 12-00		stre serve	1776 INTH	1774				
		en en la se la se la fe	No. 10, 2023, 9 85 36 84 14	Way 25, 1843, 9 80 88	1776 INTH	1794			Logrant/Hade2/Vide Logrant/Hade2/Vide	+
					1776 INTH	1776 Mai		~!		
	1.0		No. 10, 2023, 9 85 36 84 14	Way 25, 1843, 9 80 88	1790 M.Te		10.Fm	~	tooproved (Associations)	+
	1.0		No. 10, 2023, 9 85 36 84 14	Way 25, 1843, 9 80 88	1790 M.Te		10.Fm	~	toprest/Hade1/Vive toprest/Hade1/Vive toprest2/Hade1/Vive	•
	1.0		na (10, 1023), 9 (0, 00 (0, 00) (0, 0) / Tenantaria May (11, 1023), 8 (0, 10, 10)	way 25, 1999, 4 and 20 Value	1074 1074 715 - 161 Q 1086 108		une ret		Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa	• • • •
	1.0	And a set of the set o	na (10, 1023), 9 (0, 00 (0, 00) (0, 0) / Tenantaria May (11, 1023), 8 (0, 10, 10)	May 20, 2010, 9 00 00 Votes Late 9/9	1010 1010 101 - 101 Q 100 - 100 100	844 1.011 (111	1274 Ang 1.015.000		toprest/Hade1/Vive toprest/Hade1/Vive toprest2/Hade1/Vive	• • •
	1.0	And the time of time of time of the time of ti	na (10. 2022), 7 89 30 100 10 / Tenantary Silvy 20. 2022, 8 20 20 40 Silvy 20. 2022, 8 20 20 40	May 20, 2010, 1 10 20 Value CALL 175 1,421 10	000 800 70 - HI Q 000 80 00004 00004	No. Carola	1014 141 141141		Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa Eugenetti Hasheli yawa	• • • •



- Minimize risk and cost by understanding consumption patterns
- Increase cost/usage predictability before long-term commitment
- Explore more complex use-cases by increasing data streams, analytics units, and monthly CONNECT visualization services access available to customers

For more information, reach out to your AVEVA Account Manager or Customer Success Manager



cosyste

CONNECT

Data

valization

nalytics

New! Industrial Intelligence Insider Newsletter

Stay up to date with the latest product news on AVEVA and CONNECT

Each issue includes:

- Key industry insights & trends
- Product release updates
- Event details
- And more!







74



Check out the Innovation Zone – on Level 1







Todd Brown VP, Industrial Platform Portfolio **AVEVA**

With 25-years' experience in operations industrial data, Todd leads the CONNECT industrial platform portfolio team at AVEVA.



Laurent Garrigues VP, Industrial Platform Portfolio AVEVA

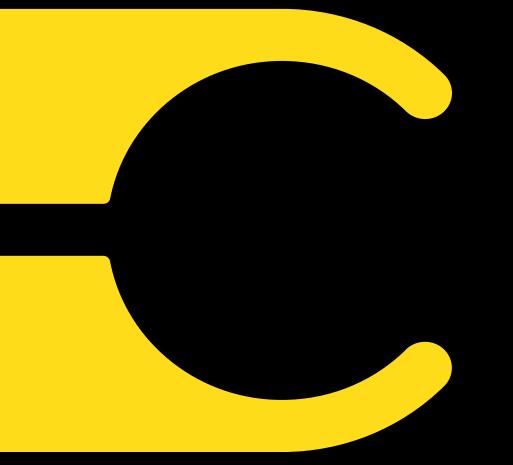
With also 25-years' experience in operations industrial data, Laurent is part of the CONNECT industrial platform portfolio team at AVEVA



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.







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

