

AVEVA<sup>PI</sup>World  
AMSTERDAM

# Portfolio Strategy and Innovation Roadmap

Gregg Le Blanc and Amish Sabharwal

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# You're facing complex challenges in a changing market environment



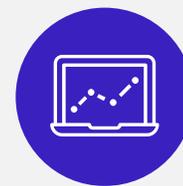
ESG regulations



Supply chain and service disruptions



Consumer desire for green alternatives



Commodity price fluctuations



Labor shortages and remote work

Improve sustainability, reduce carbon intensity and emissions

Capital projects and supply chain agility and resilience

New materials, processes, and facilities for circular economy

Operational efficiency, optimized planning and scheduling

Connected and empowered workforce, autonomous operations

# 50%

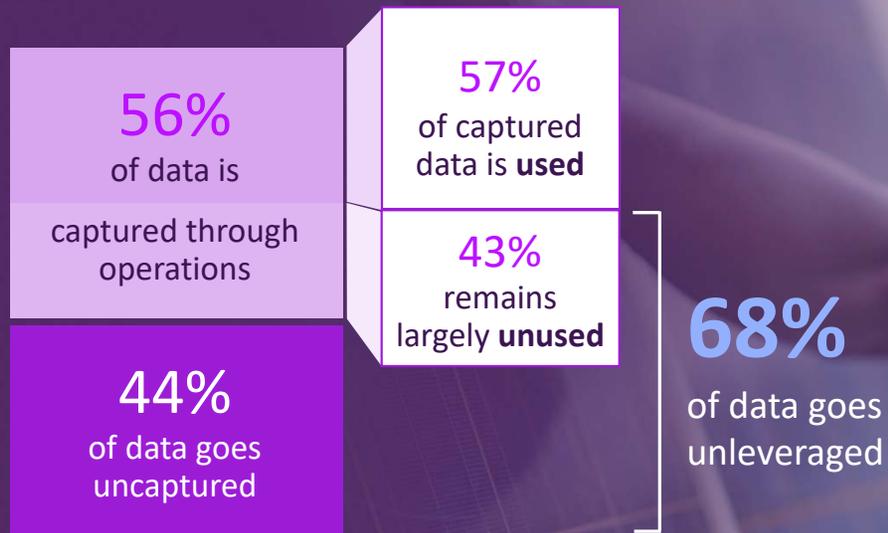
of all industrial data  
was created in the last  
2 years. In 2024 that  
will still be true.

*Statista, June 2021*



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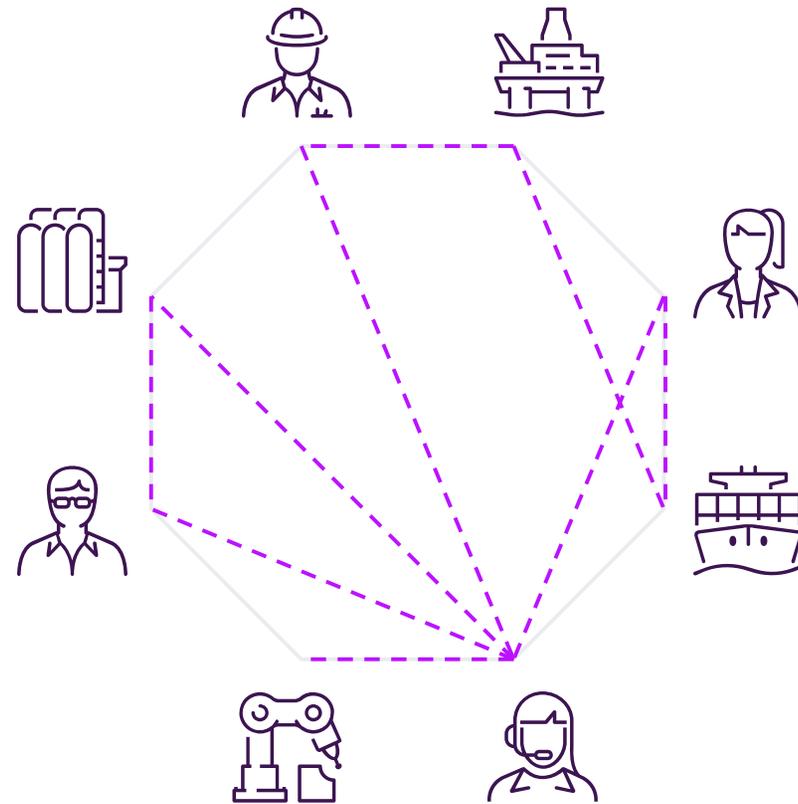
According to Seagate,  
only **32%** of the data available  
to enterprises was put to work



Source: *The Seagate Rethink Data Survey*, IDC, 2020

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Industrial companies struggle to share timely, accurate data across their global ecosystem

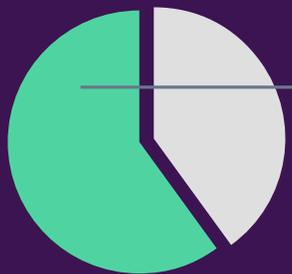


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Organizations that share data externally with their partners generate

**3x more measurable economic benefit**

than those that do not.



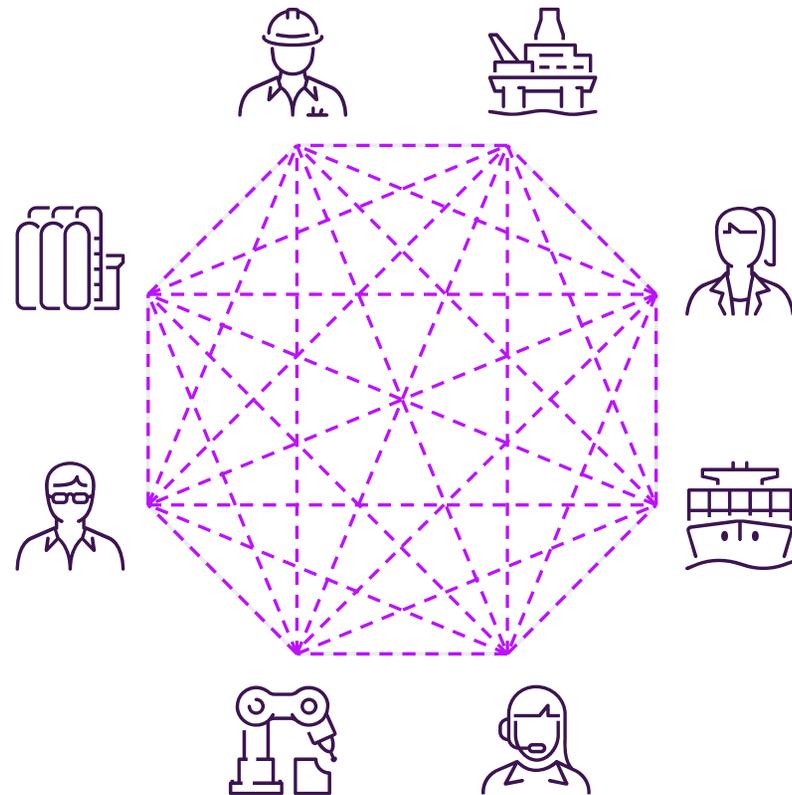
Organizations adopting data hub strategies will achieve outcomes dependent on shared data with at least **60% lower cost.**

Source: Gartner

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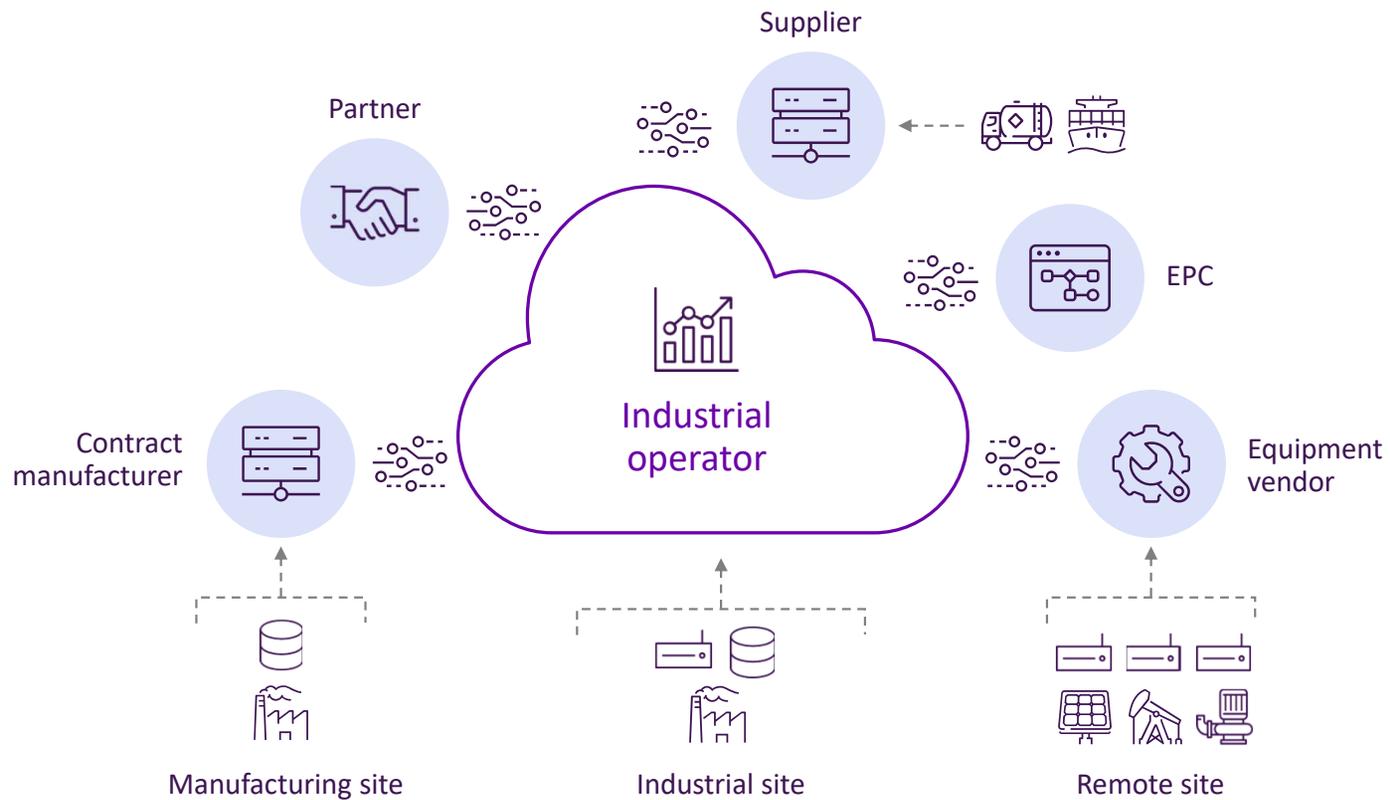
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Imagine if all parties in a value chain were optimized in parallel: Data is the accelerator of the connected industrial economy



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# Data becomes the foundation of a connected community



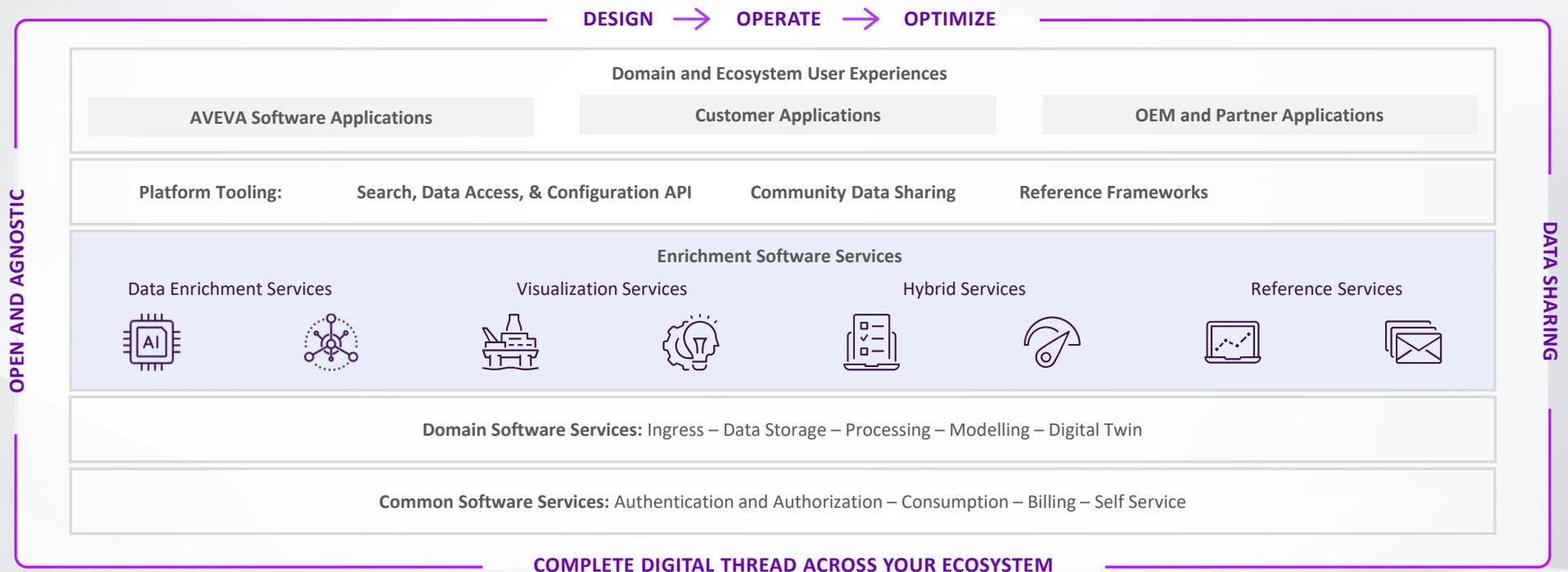


**Dominion  
Energy**<sup>®</sup>

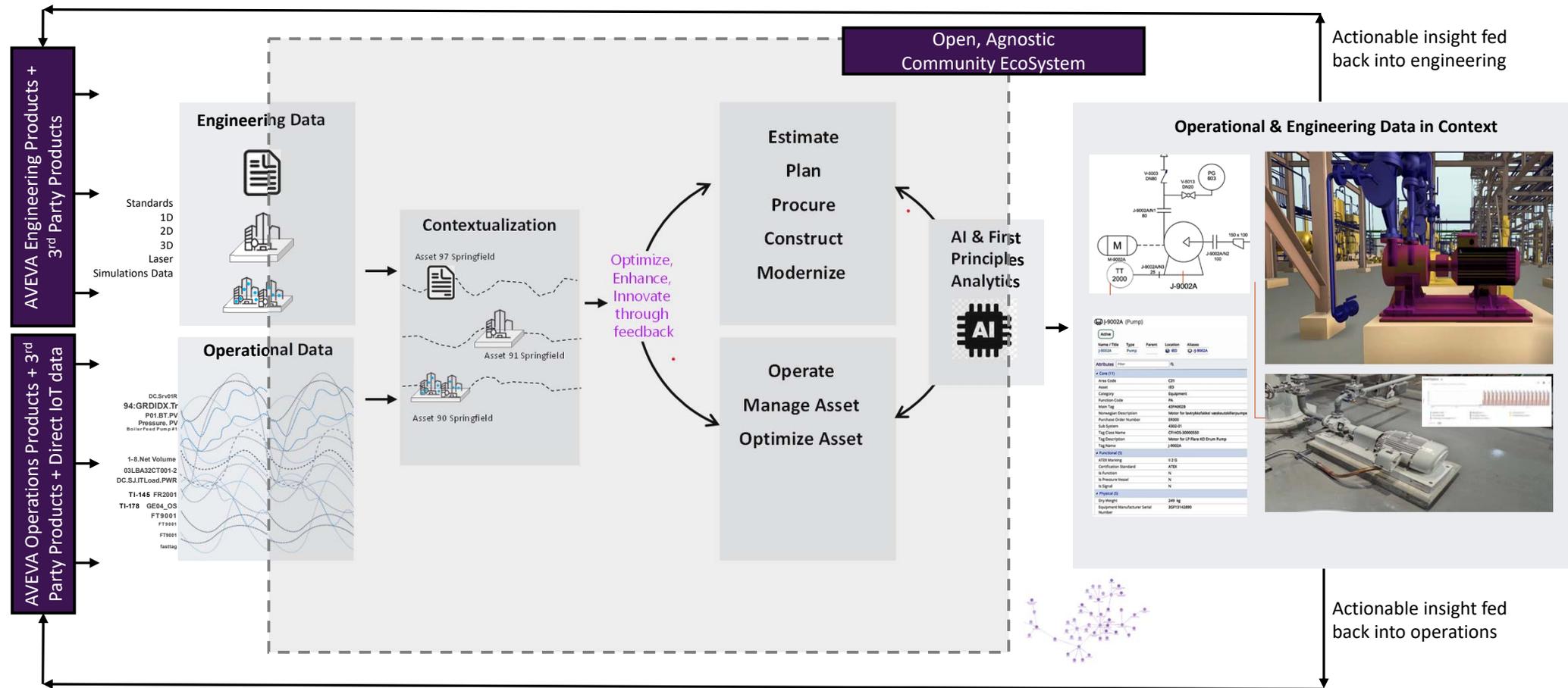
Improving efficiency and supporting ESG  
pledges for customers across the USA  
through cloud data sharing

# Future vision: Optimize the entire industrial ecosystem

Connecting people with Industrial Intelligence-as-a-Service



# Future vision: Connecting people with Industrial-Intelligence-as-a-Service



### Operational & Engineering Data in Context

**J-9002A (Pump)**

Name	Type	Parent	Location	Asset
J-9002A	Pump			J-9002A

**Attributes**

- Core ID: J-9002A
- Area Code: 031
- Asset: 003
- Category: Equipment
- Functional Code: PU
- Mean Tag: 400A003
- Manufacturer: Motor Driven Variable Speed Drive
- Purchase Order Number: 80000
- Sub System: 400A01
- Tag Class Name: CP-HCS 0000000
- Tag Description: Motor Driven 400 Drum Pump
- Tag Name: J-9002A

**Functional ID**

- AT&S Naming: X 2 G
- Certification Standard: ATEX
- Is Functional: No
- Is Pressure Rated: No
- Is Signal: No

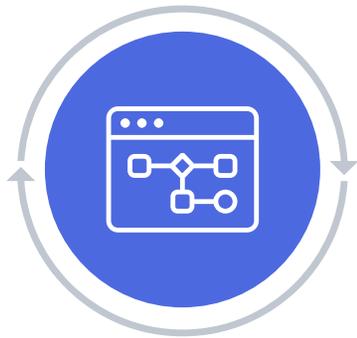
**Physical ID**

- City Weight: 200 Kg
- Equipment Manufacturer Serial Number: 20P114280

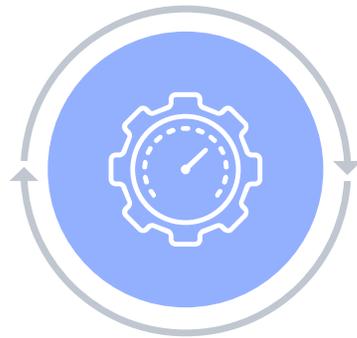
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# Transform the way your teams work

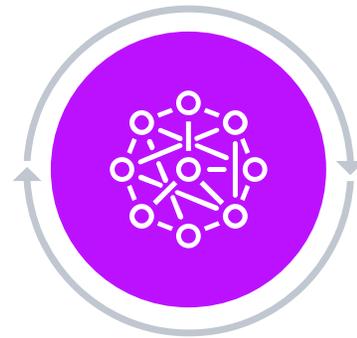
From siloed **functional islands**



Engineering



Operations



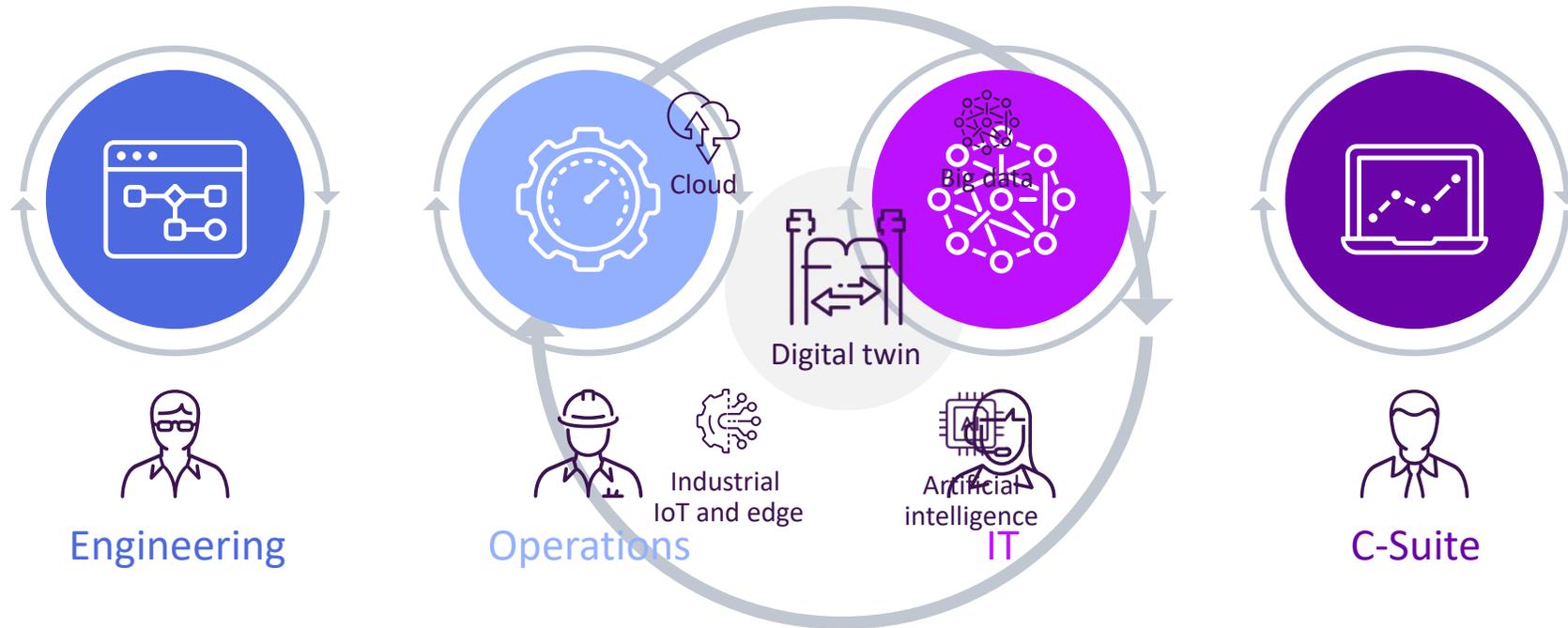
IT



C-Suite

# To collaborative innovation

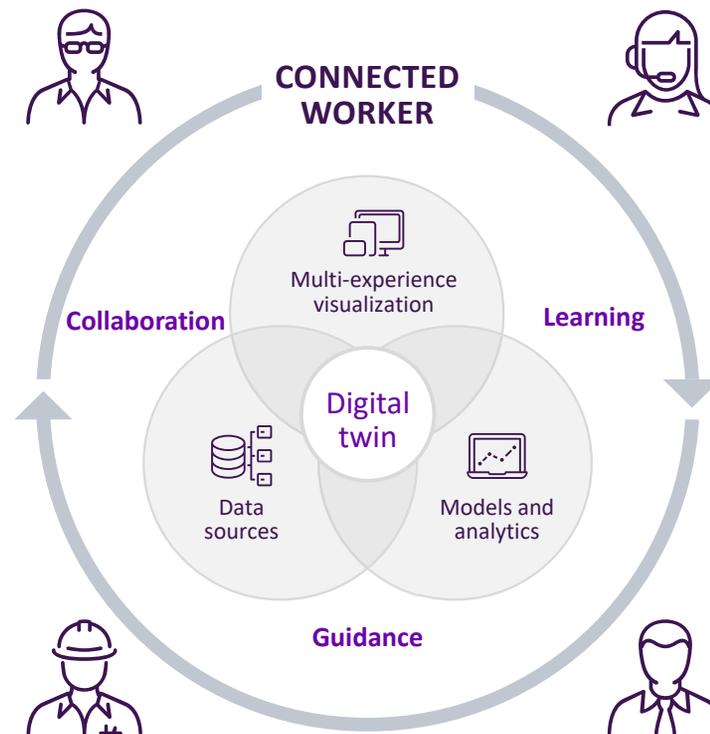
Enabled by **digital technology**



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# To empower the connected worker

With a **comprehensive digital twin across engineering and operations**



# Why now?

“

*Few technology areas will have greater potential to improve the financial performance and position of a commercial global enterprise than Digital Twin.”*

**Gartner**

“

*Digital Twin market is forecast to USD \$26.8 billion by 2025, showing a compound annual growth rate (CAGR) of 38%”*

**Bloomberg**

**AVEVA**

Driving responsible use of our world's resources



أرامكو السعودية  
saudi aramco



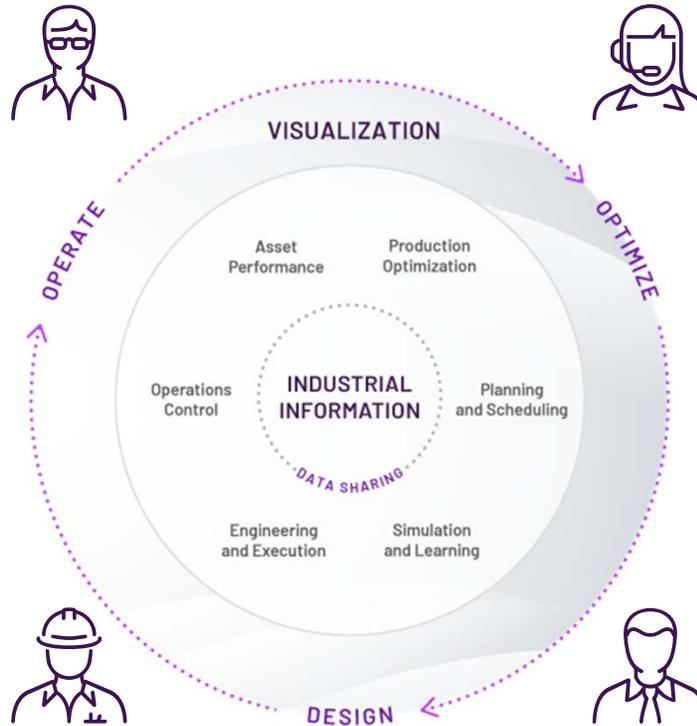
TotalEnergies

AVEVA

With a half century of experience, trusted by 20,000 customers

AVEVA is uniquely positioned to deliver a **complete digital thread purpose build for industry**

Breadth and depth of portfolio capabilities with **market leading positions** in operations information, HMI, MES, APM, 3D Design



**Open and agnostic** solutions that leverage customer existing investments and enables a connected community across the ecosystem

**Global partner ecosystem** of **over 5,500** partners are ready to serve your needs whenever and wherever you need

AVEVA Connect industrial cloud platform and AVEVA Flex subscription program to **accelerate time to value**

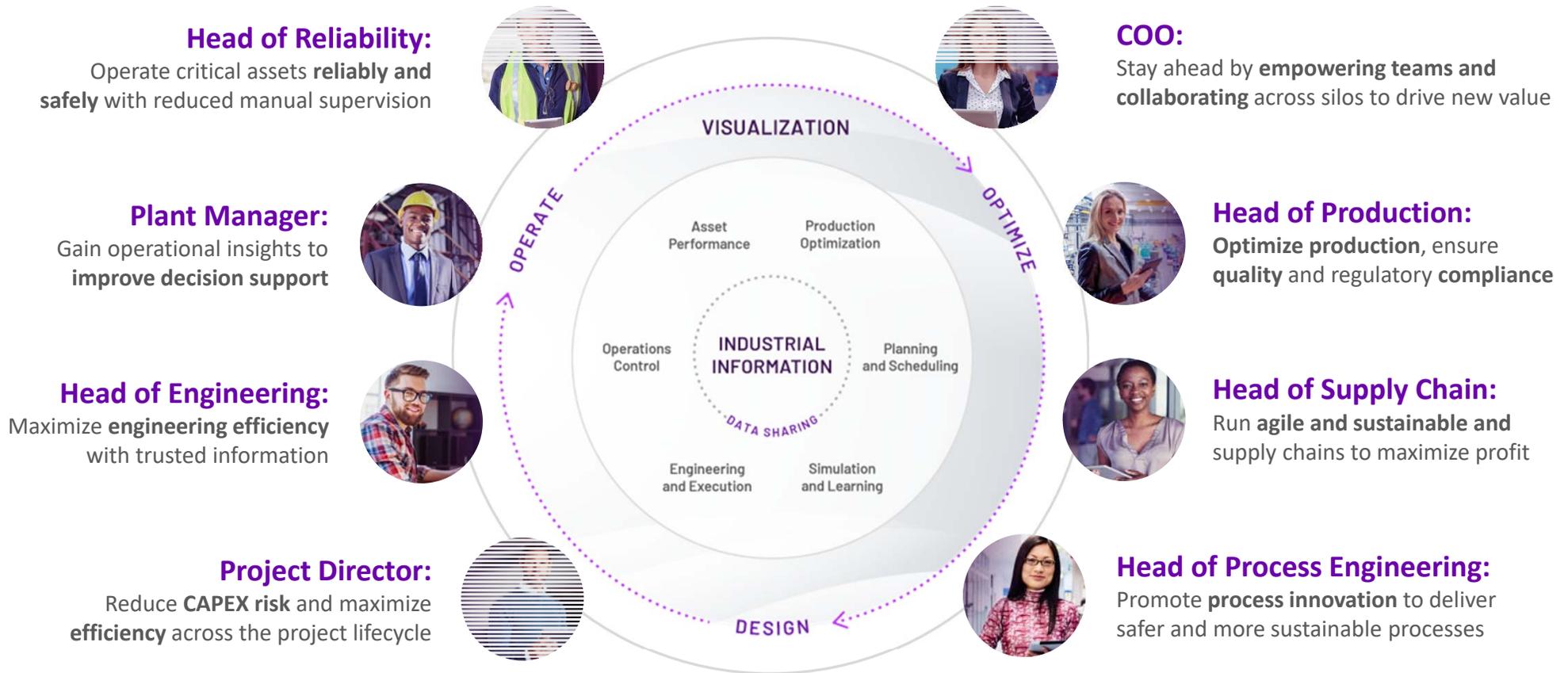
**AVEVA**

# AVEVA Portfolio Innovation and Roadmap

Connecting people with trusted information and insights

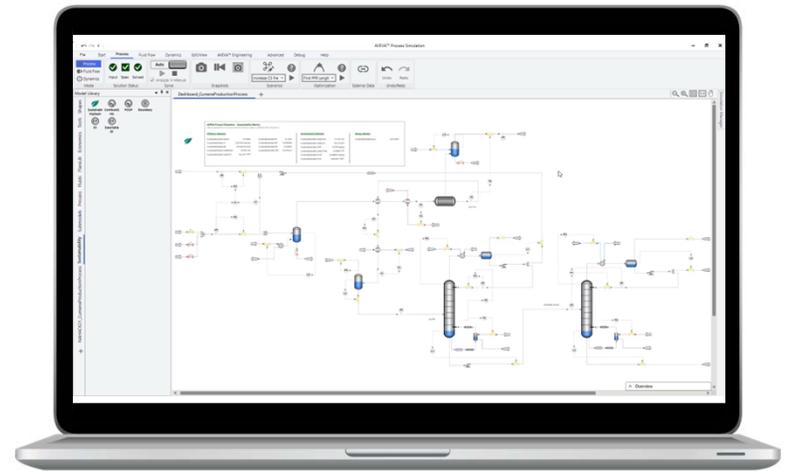
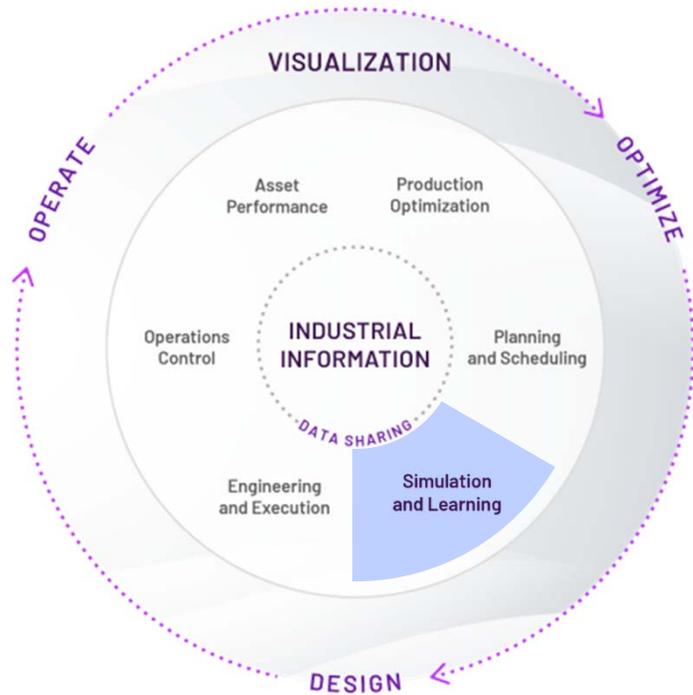
AVEVA

# We're connecting people with trusted information and insights



# Accelerate process innovation and reduce operational risk

Process lifecycle simulation and cloud-based unified learning solutions

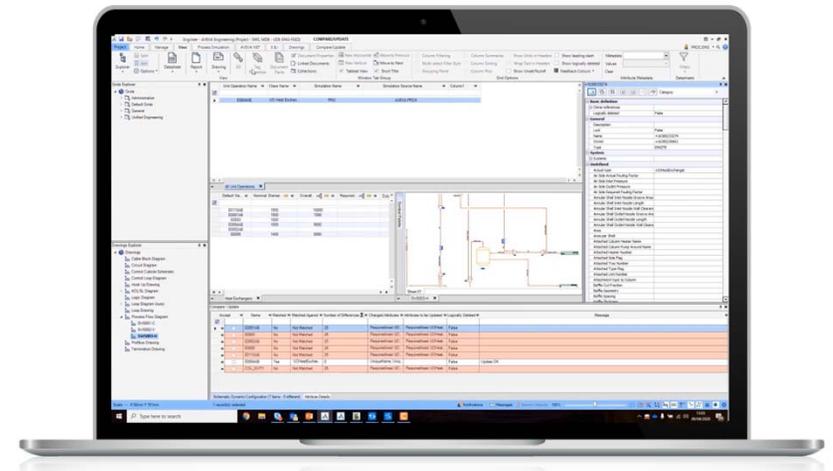
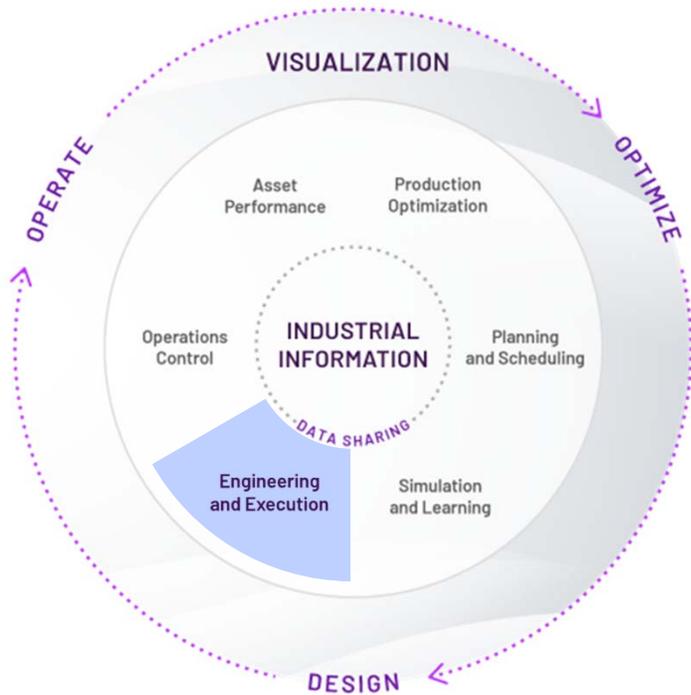


**Roadmap:** Sustainable process design, lifecycle process modeling from concept to operations. Circularity, Cost Optioneering. Cloud based AVEVA Unified Learning for energy transition, pipeline, and process OTS.

**AVEVA**

# Optimize engineering efficiency and project execution

Unified, data-centric simulation, engineering, execution, and learning in the cloud

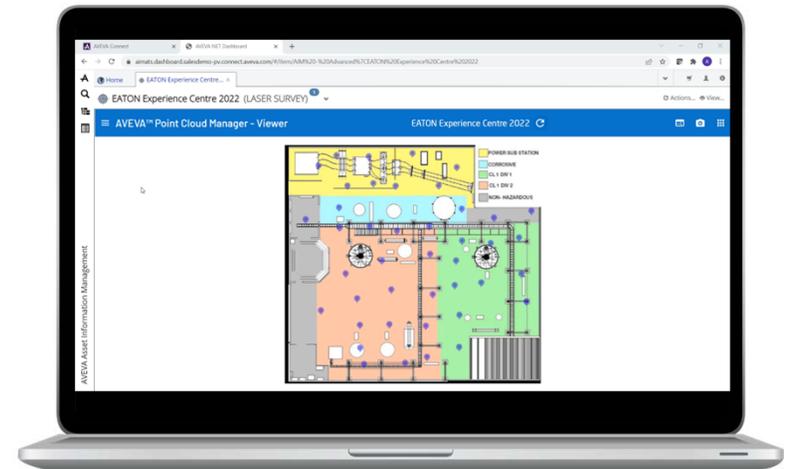
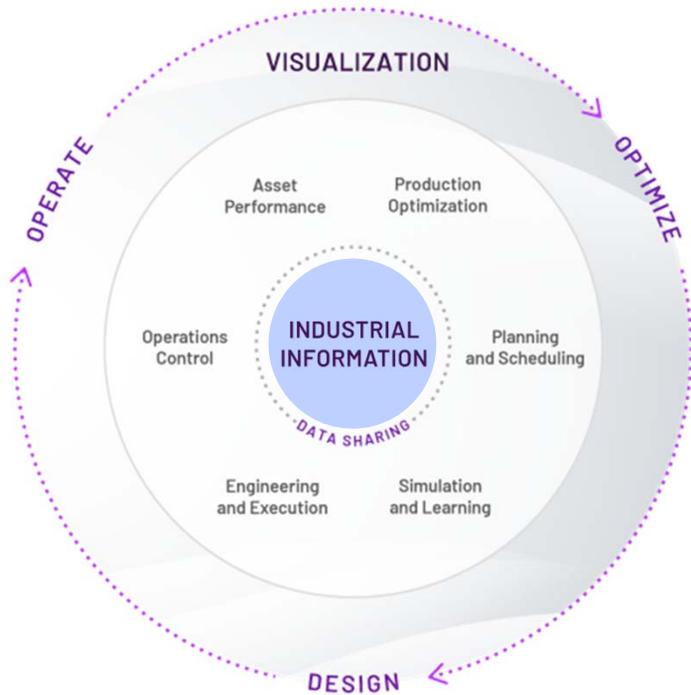


**Roadmap:** Hybrid SaaS to accelerate time to value and improve collaboration. AVEVA Unified Engineering workflows Simulation to Engineering & Design and then to OTS. Integrate RIBs MTWO 5D Platform for project estimating & cost controls; expand on-site mobile applications

**AVEVA**

# Improve decision-making with trusted engineering information

Delivering intuitive, meaningful, agnostic, trusted engineering data into context in the cloud

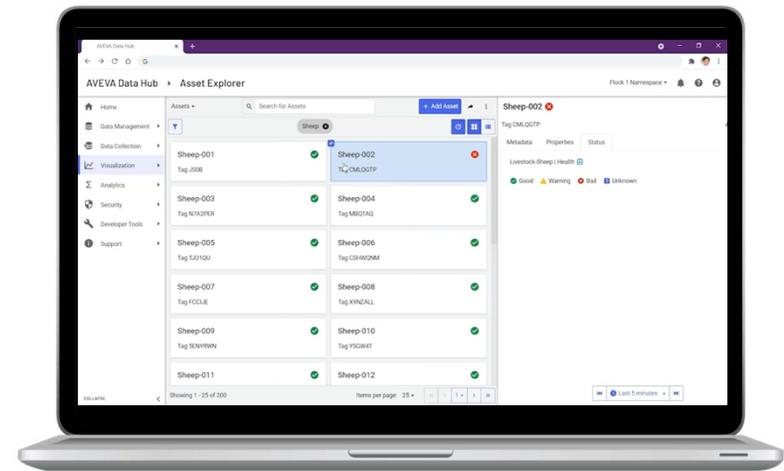
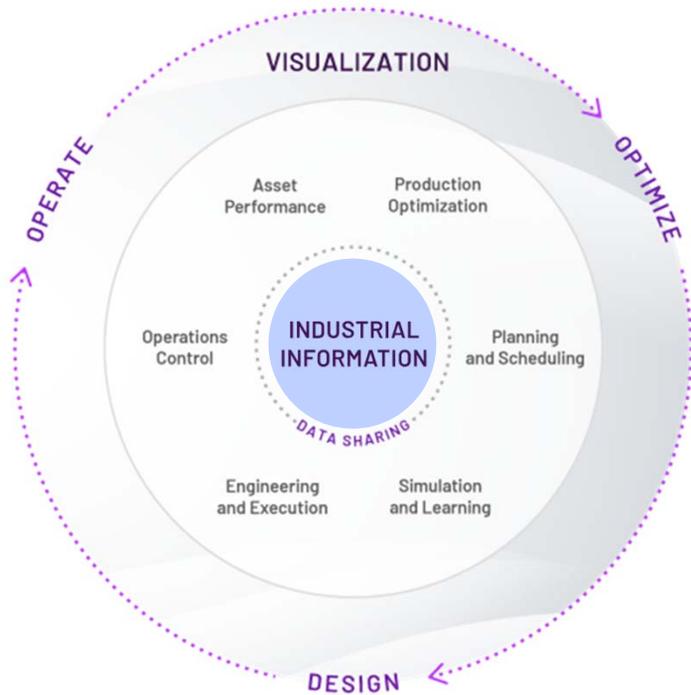


**Roadmap:** Deliver cloud data connectivity between AVEVA Asset Information Management and Point Cloud Management on AVEVA Connect, expanding capabilities with AVEVA PI System, new partnerships

**AVEVA**

# Leverage operations information to discover new opportunities

With edge-to-cloud information sharing across your ecosystem

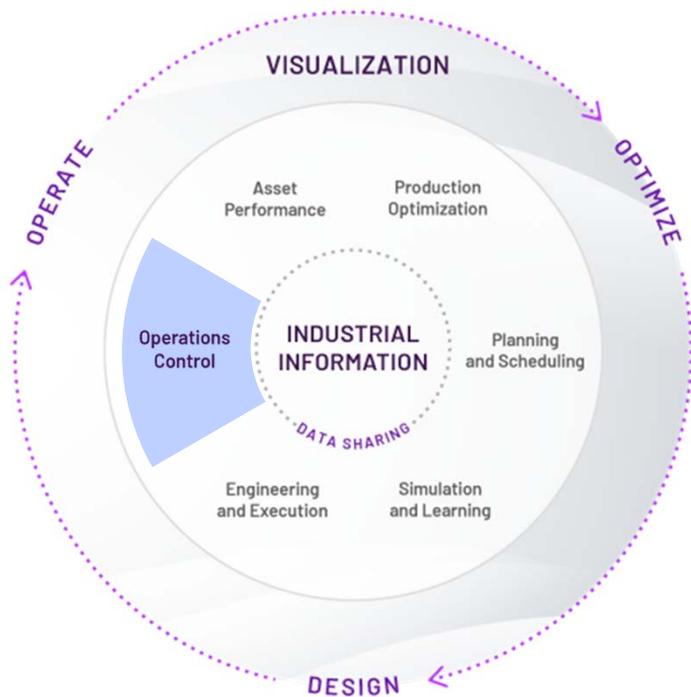


**Roadmap:** AVEVA PI System integration with AVEVA Predictive Analytics and AVEVA Unified Operations Center. AVEVA Data Hub available in AVEVA Connect cloud platform.

**AVEVA**

# Empower your teams to drive safe and efficient operations

With market-leading edge to enterprise HMI and SCADA

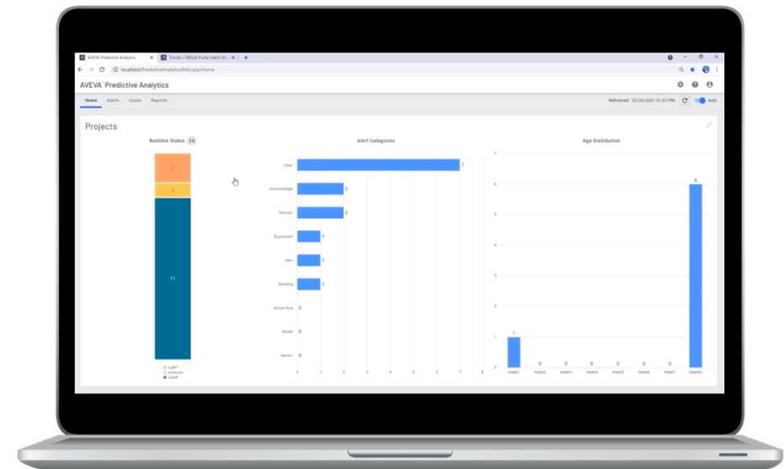
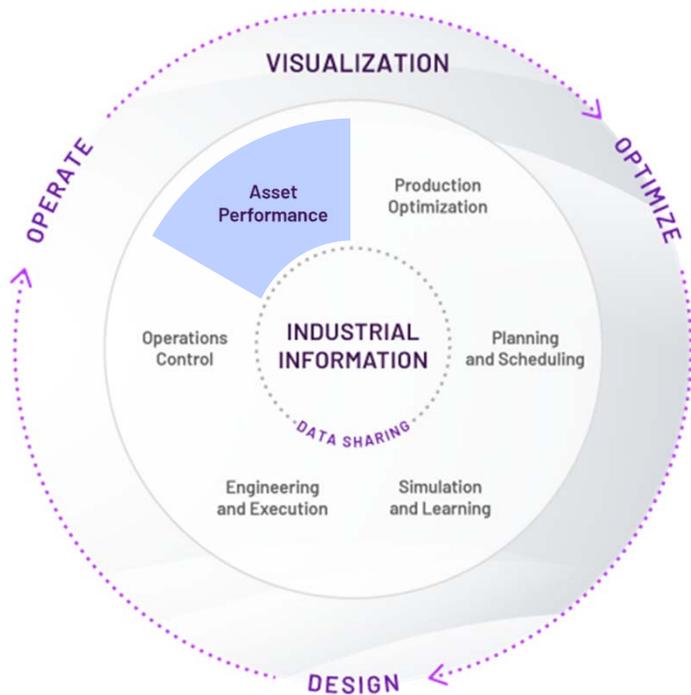


**Roadmap:** AVEVA Operations Control subscription offers, hybrid cloud deployment, cloud development tools, improved user experiences, industry templates, and intelligent midstream integrations

**AVEVA**

# Balance risk, cost and performance of your assets

Continued pivot to cloud use cases for connected worker, with purpose-built AI and visualization

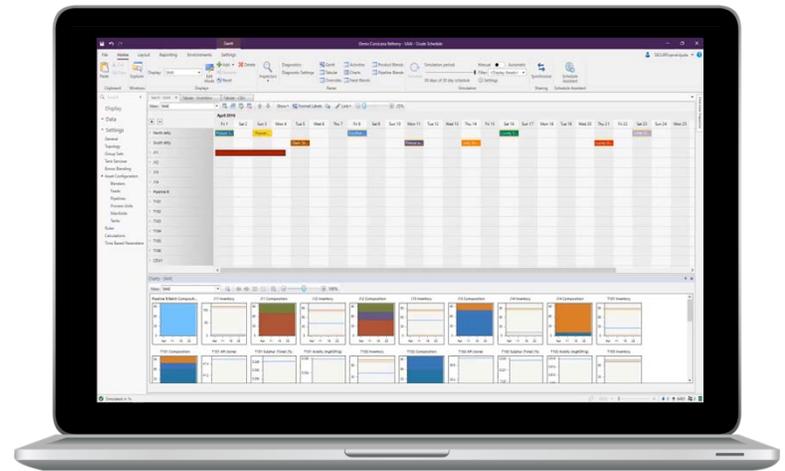
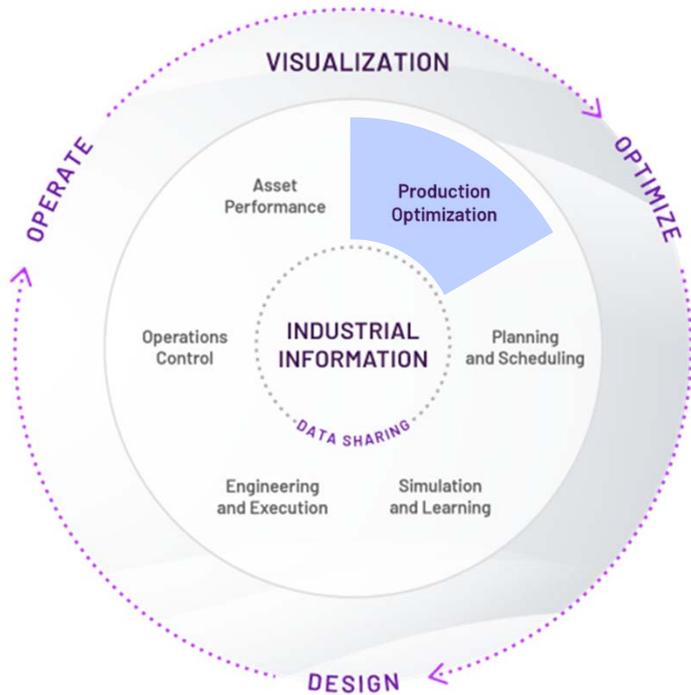


**Roadmap:** AVEVA Insight for cloud APM use cases, native predictive and prescriptive analytics, enhanced PI System integration, advanced visualization of operations and engineering, unification of mobile solutions

**AVEVA**

# Optimize your operations to maximize productivity and quality

With a model-driven approach to standardize multi-site operations

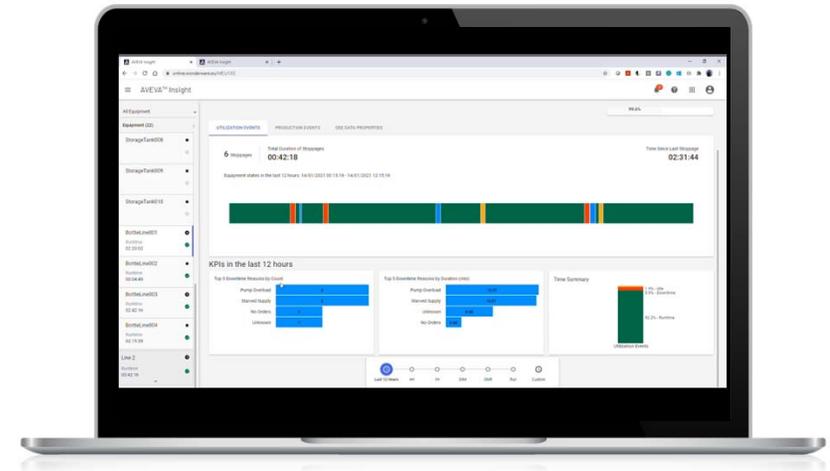
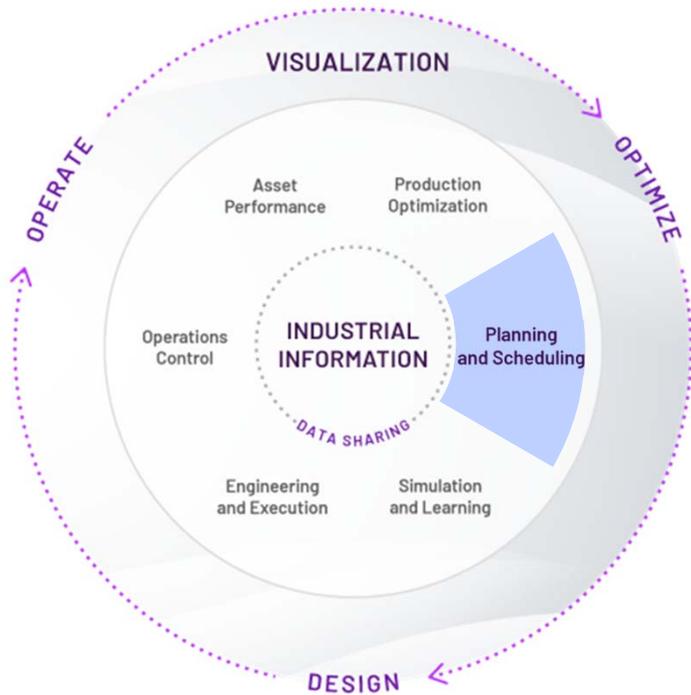


**Roadmap:** Continue model-driven MES with simpler, templated deployments and accelerate hybrid cloud through AVEVA Connect + AVEVA Insight for visualization

**AVEVA**

# Optimize your value chain to capture market opportunities

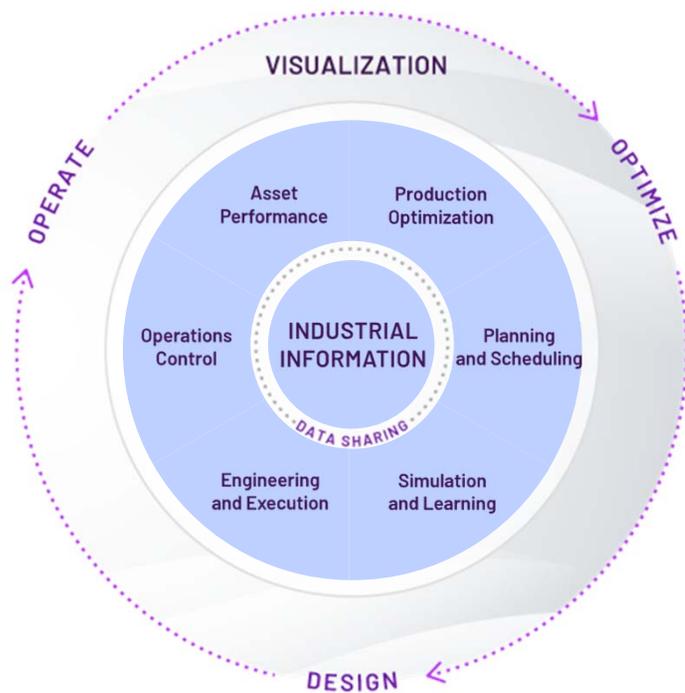
Enable enterprise agility and collaboration across supply chain and operations



**Roadmap:** Enable Sustainable Supply Chain, Enhanced Cloud Experience and AI Infusion (Scheduling), Sustainability & Energy Minimization (Optimization)

**AVEVA**

# Continuous innovation to drive proven outcomes



<b>Simulation and Learning</b> sustainability with process modeling and predictive optimization	Now
<b>Engineering and Design</b> deliver process, mechanical, instrumentation, electrical engineering data (1D), drawings (2D) and design (3D) in one environment	Mid/End
<b>Engineering Information Management</b> expansion through partnerships and PI System Integration	Now
<b>Operations Information Management AVEVA PI System</b> updates to PI Server and PI Client and continued portfolio integration	Now
<b>Operations Control</b> edge to enterprise subscription offers	Now
<b>Asset Performance</b> Continued operations and maintenance use cases on AVEVA Insight	Now/Mid
<b>Value Chain Optimization Schedule AI</b> capability for decision support in agile supply chain management, <b>Production Accounting SaaS</b> , <b>Advanced Planning and Scheduling</b> in partnership with Planet Together available in SaaS soon	Mid/End
<b>Connected Community</b> cloud enabled information integration across engineering and operations with streamlined data sharing and enterprise visualization templates for industry	Mid/End

# Multiply your ROI with flexible access to industrial software

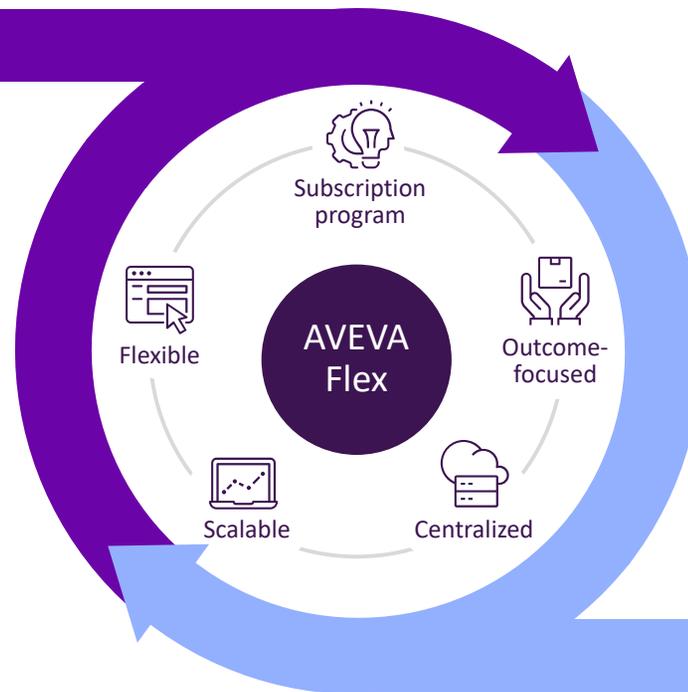
AVEVA Flex subscription program streamlines access to AVEVA's complete portfolio and expertise

## AVEVA Flex Subscription

**65%** lower  
upfront costs  
in the first year

See a return  
on investment in  
**under 6 months**

**Easily scale with on-prem,  
cloud, and hybrid solutions**



**Ensure success with industry best  
practices and expert support**

Over **900** subject  
matter experts and  
an extensive global  
partner network

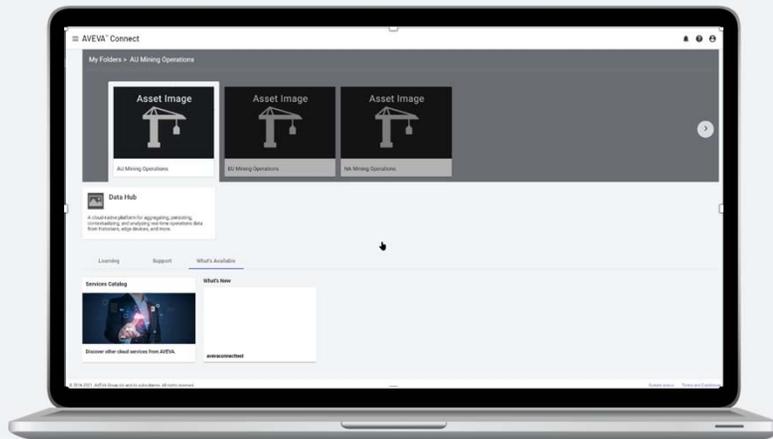
Proven support  
for **thousands**  
of customers

**AVEVA Customer FIRST Support**

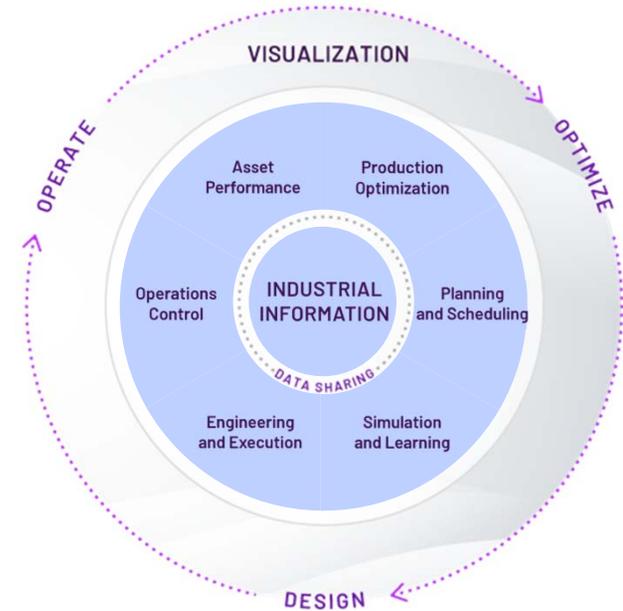
**AVEVA**

# AVEVA software in the cloud drives sustainable growth

Transform faster, reduce costs and easily scale to engineer smarter, operate better



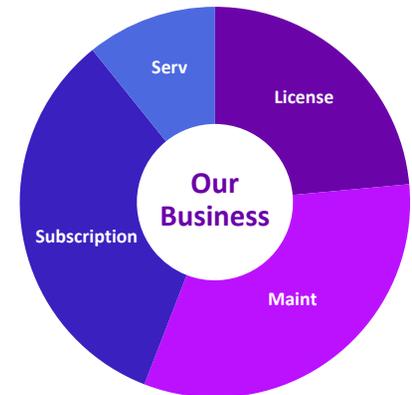
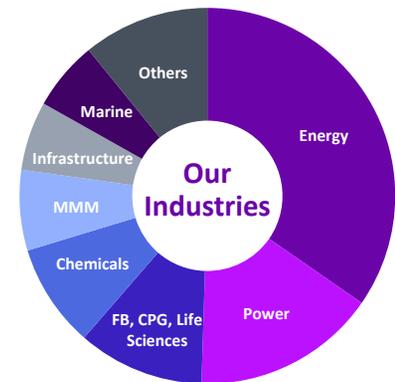
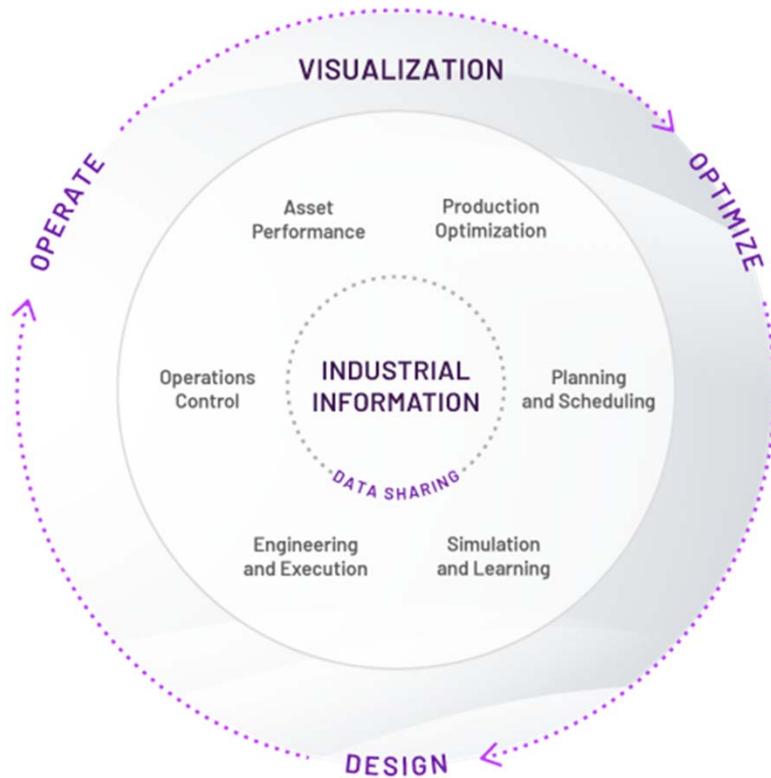
**Roadmap:** Launch of AVEVA Data Hub, visualization across engineering and operations, OEM & partner integration, extend on-prem integration, hybrid cloud



1. AVEVA™ Simulation
2. AVEVA™ Unified Learning
3. AVEVA™ Unified Engineering
4. AVEVA™ Operations Control
5. AVEVA™ Insight
6. AVEVA™ Unified Supply Chain
7. AVEVA™ Asset Information Management
8. AVEVA™ Data Hub

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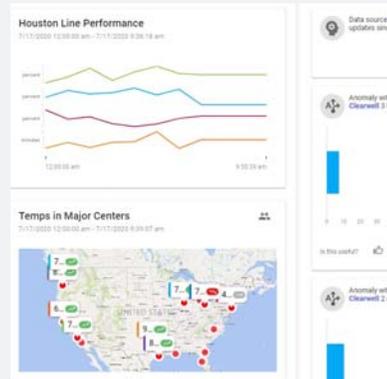
Well balanced across markets, solutions and our business



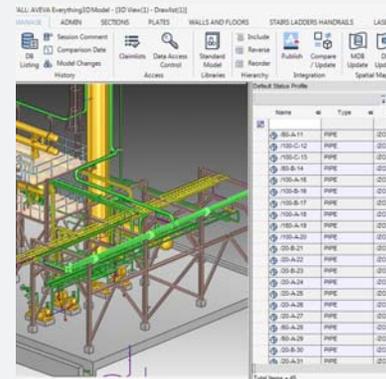
Attend the roadmap sessions for further details



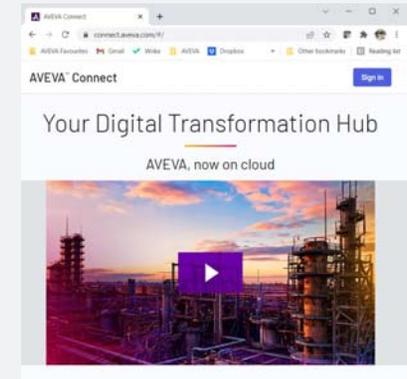
PI System  
Roadmap



Operations  
Portfolio Roadmap



Engineering  
Portfolio Roadmap



Industrial Cloud  
and SaaS Portfolio  
Roadmap

A smiling man in a dark blue suit, light blue shirt, and dark blue tie stands in the foreground. Behind him is a landscape of rolling hills with several wind turbines under a sunset sky with soft clouds. The overall mood is positive and forward-looking.

**Our planet  
or profits**

**AVEVA**  
We'll take you there™

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

#### ABOUT AVEVA

AVEVA is a global leader in industrial software, driving digital transformation and sustainability. By connecting the power of information and artificial intelligence with human insight, AVEVA enables teams to use their data to unlock new value. We call this Performance Intelligence. AVEVA's comprehensive portfolio enables more than 20,000 industrial enterprises to engineer smarter, operate better and drive sustainable efficiency. AVEVA supports customers through a trusted ecosystem that includes 5,500 partners and 5,700 certified developers around the world. The company is headquartered in Cambridge, UK, with over 6,500 employees and 90 offices in over 40 countries.

Learn more at [www.aveva.com](https://www.aveva.com)