

NOVEMBER 2022

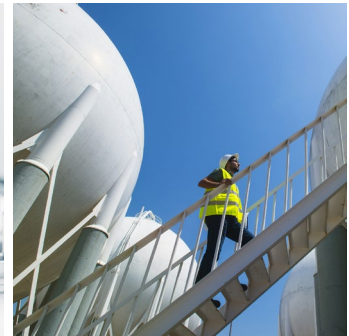
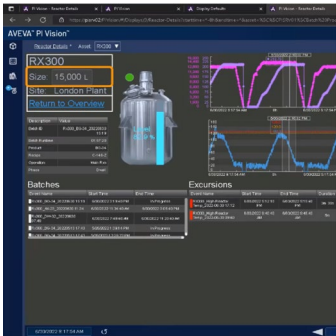
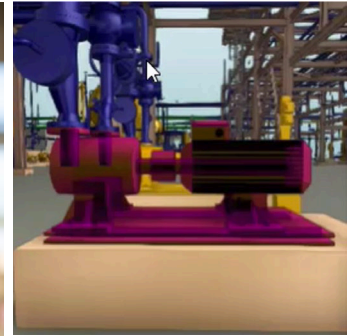
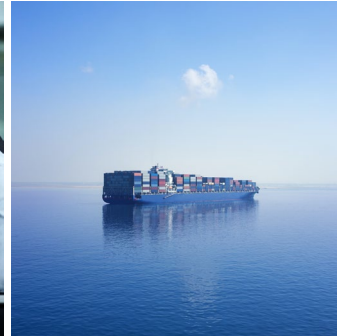
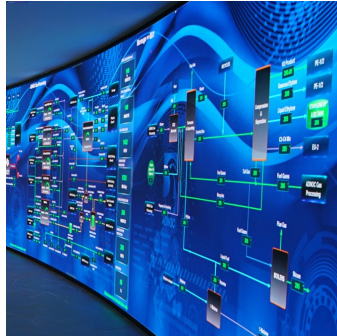
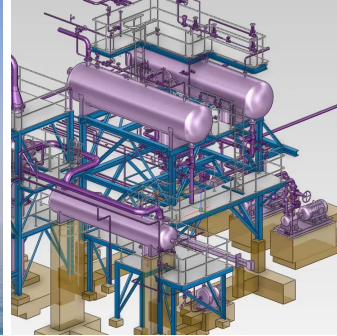
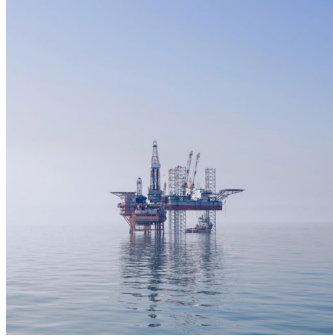
Empower your industrial workforce

Rob McGreevy
Chief Product Officer, AVEVA

How do we bring it all **together?**

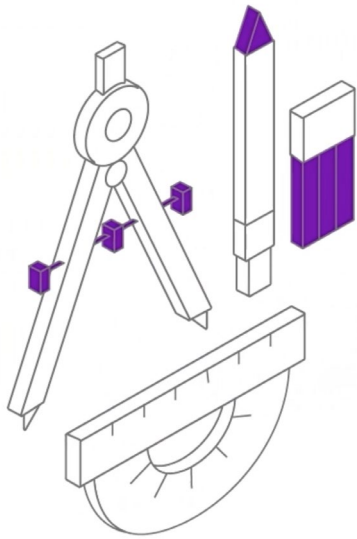


How do we bring it all **together?**

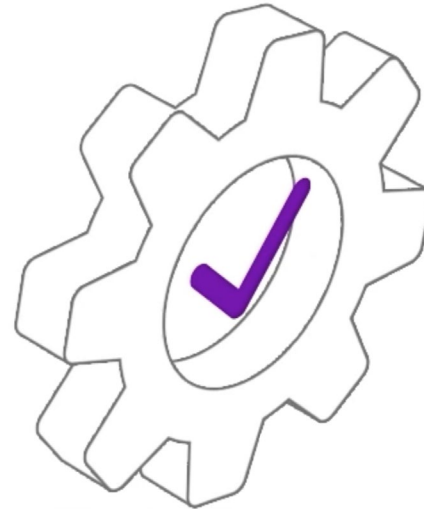


We're bringing together experts across the industrial lifecycle

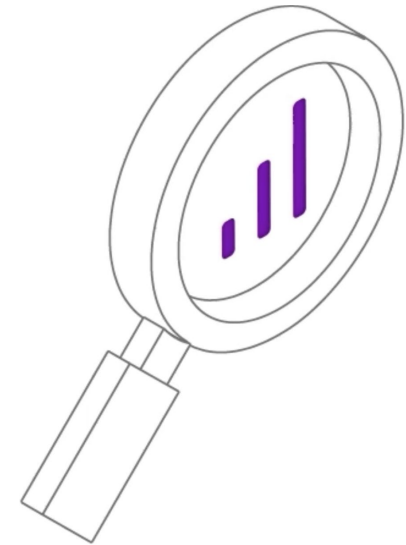
Design



Operate



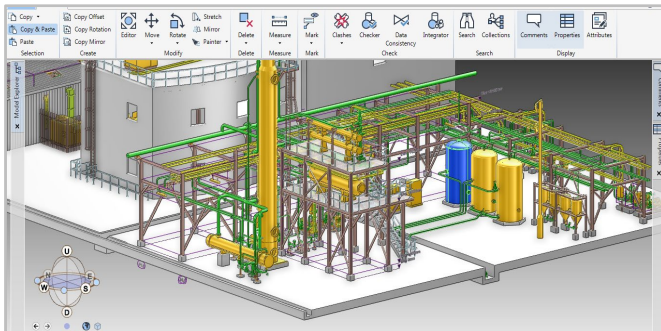
Optimize



With a proven track record of delivering results

Moreld Apply

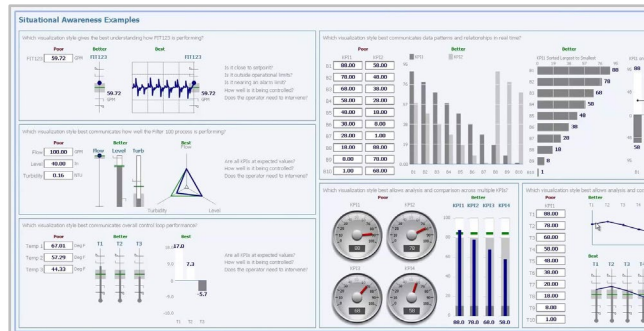
Achieved 15% efficiency savings through integrated data and modules



Design

Henkel

Improved OEE by 15% and saves €8 million in energy per year



Operate

American Electric Power

Saved \$17.5M on reactive maintenance and unplanned downtime



Optimize

Rising imperatives are challenging business as usual



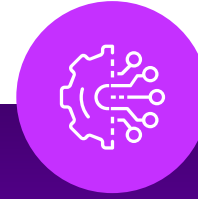
Speed time from concept
to full-capacity



Connected, empowered
workforce



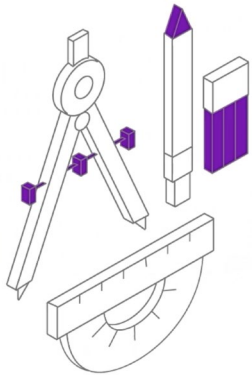
Value chain, system
optimization and agility



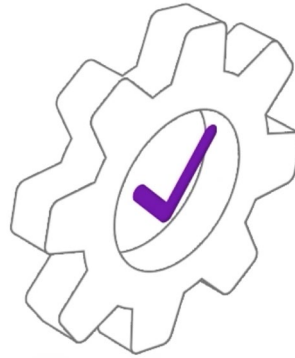
Reliable, efficient and
safe operations



Sustainability
and circularity



Design



Operate



Optimize

Forcing a reimagination of software and relationships

Speed time from concept
to full-capacity



Connected, empowered
workforce



Value chain, system
optimization and agility



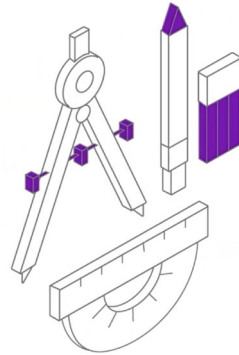
Reliable, efficient and
safe operations



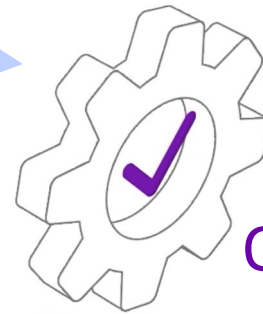
Sustainability
and circularity



Design



Operate



Optimize



Compressed engineering, design and construction cycles

Speed time from concept
to full-capacity

Connected, empowered
workforce

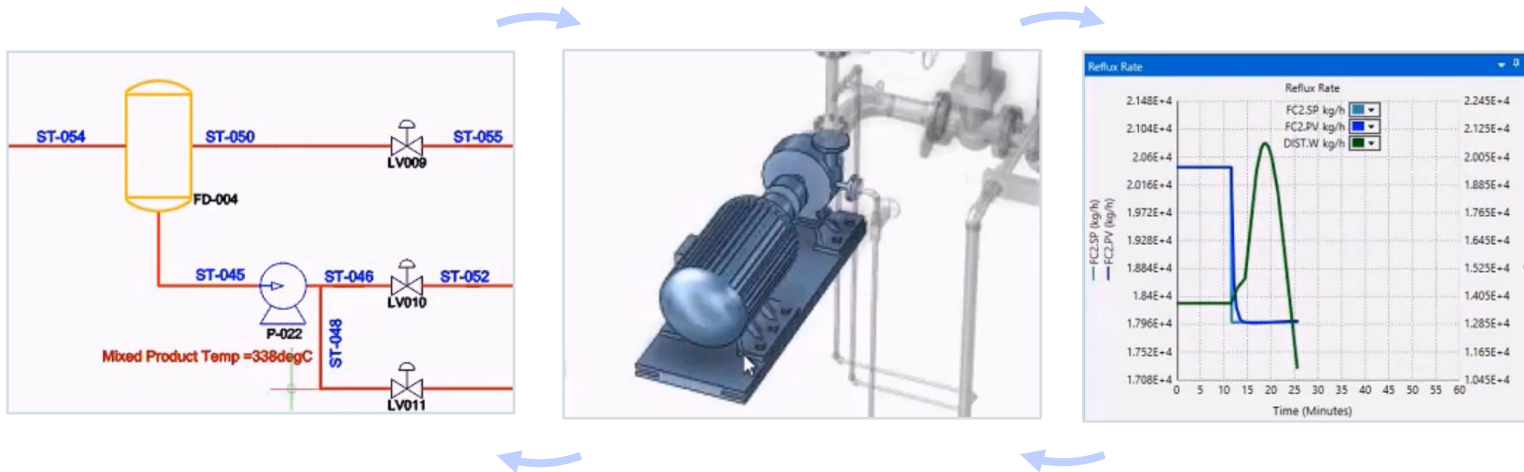
Value chain, system
optimization and agility

Reliable, efficient and
safe operations

Sustainability
and circularity

Opportunity:

30% increase engineering efficiency, 5% reduction of total install costs



Increased need for visibility, forecasting and collaboration

Speed time from concept
to full-capacity



Connected, empowered
workforce



Value chain, system
optimization and agility



Reliable, efficient and
safe operations

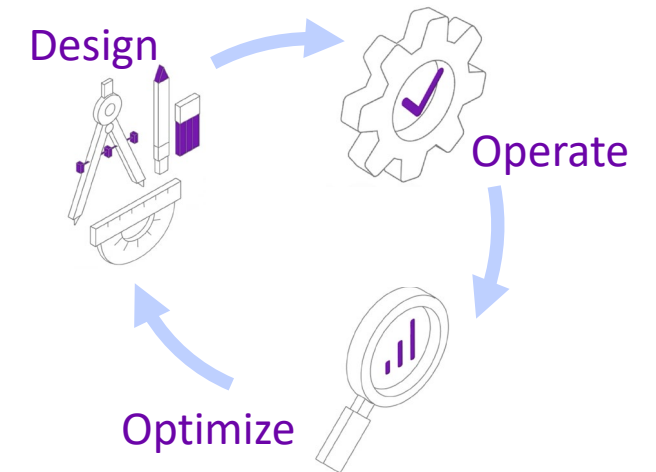
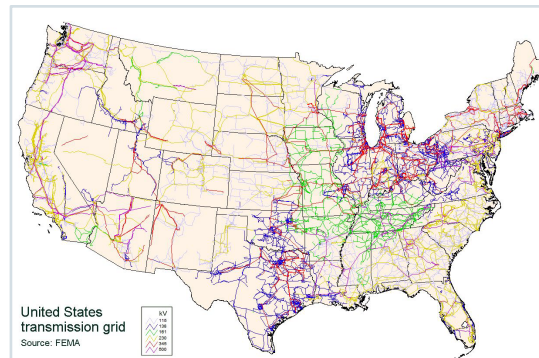


Sustainability
and circularity



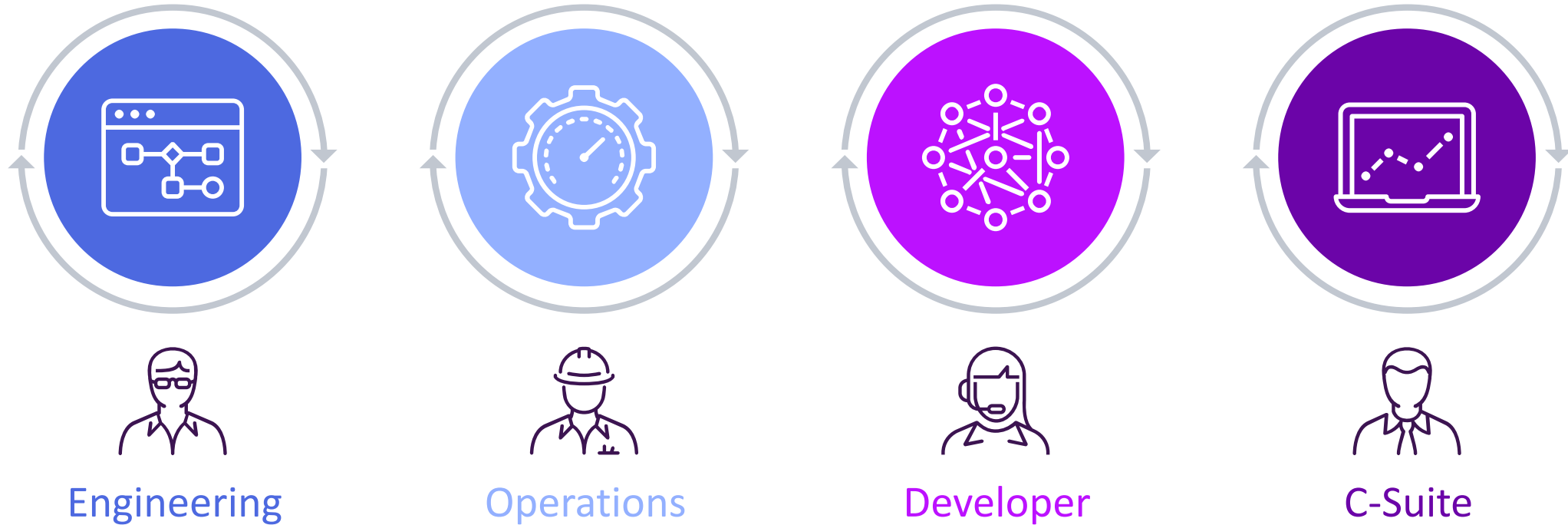
Opportunity:

\$65B investment in US power grid



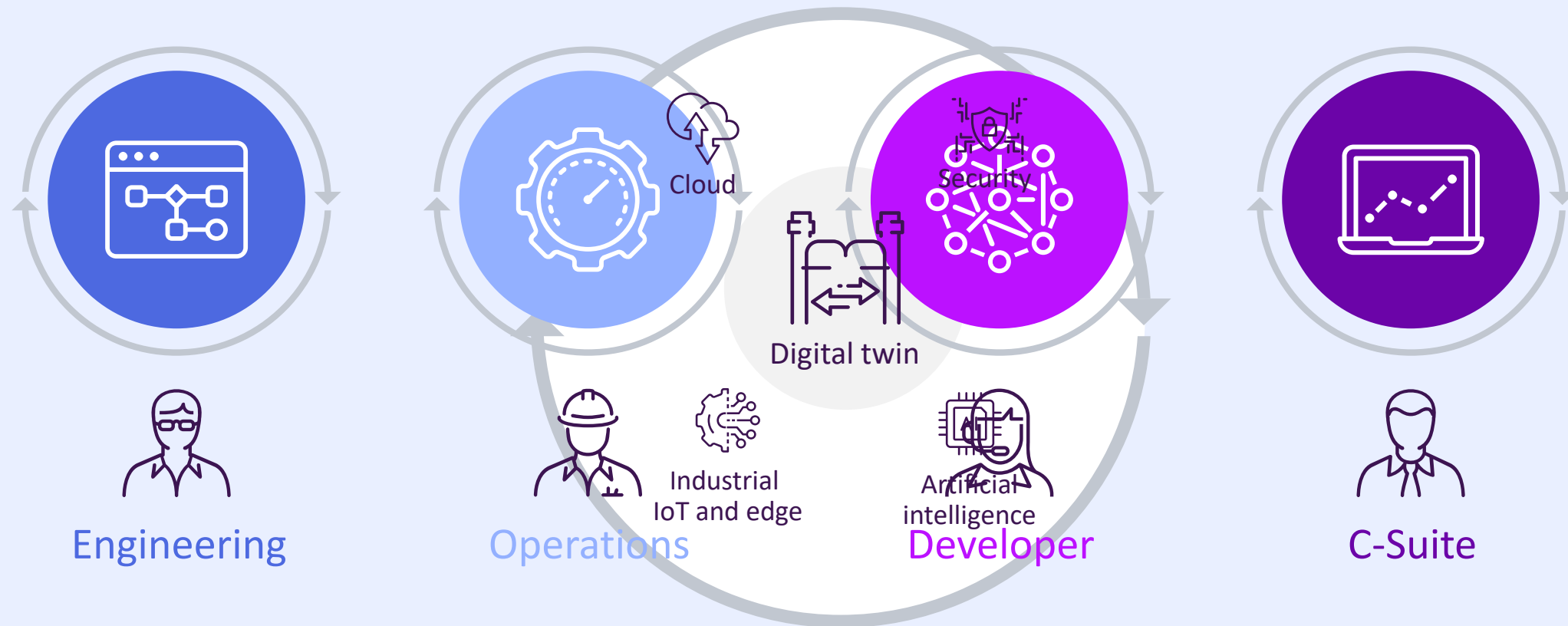
Transform the way your teams work

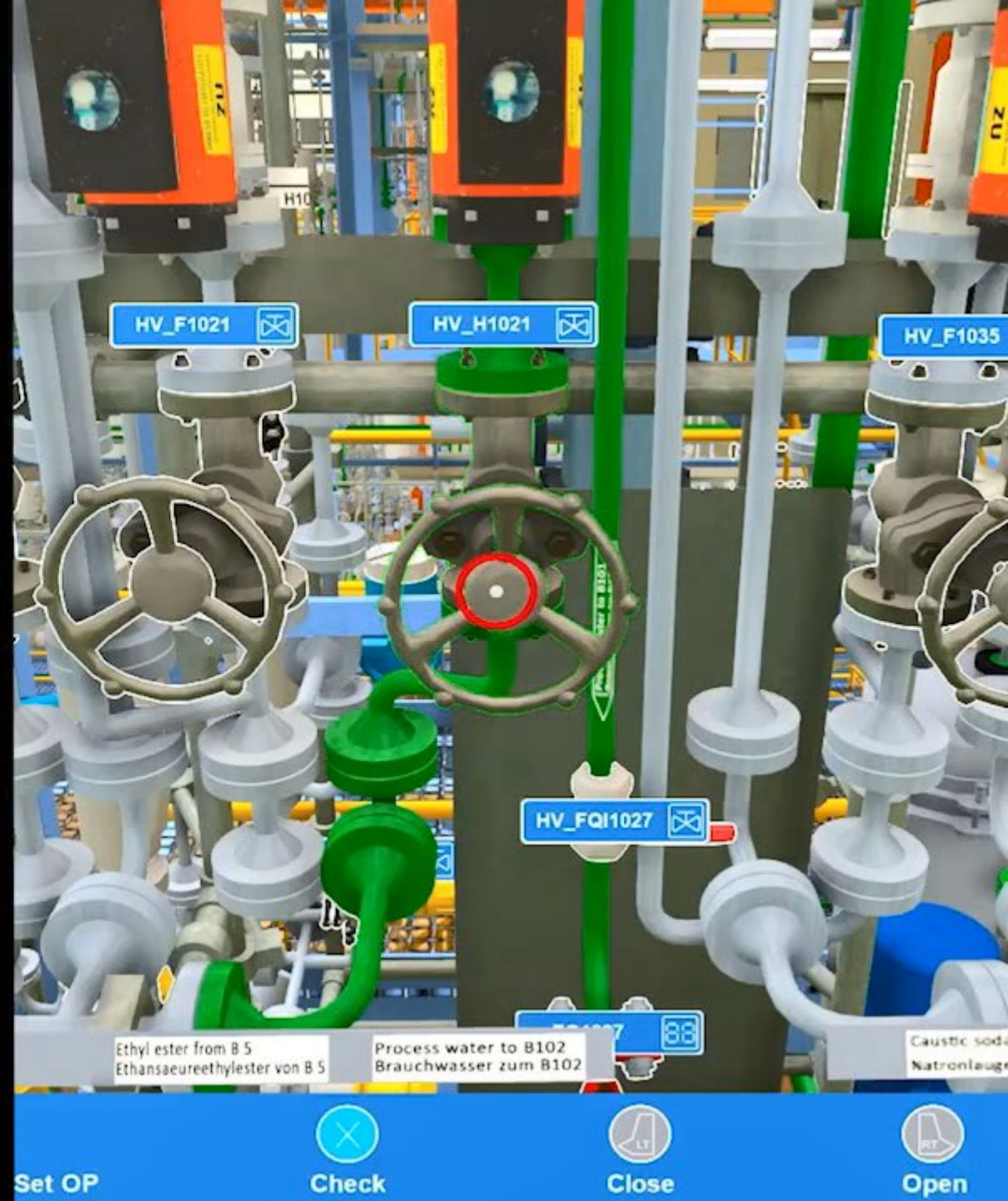
Breaking down silos

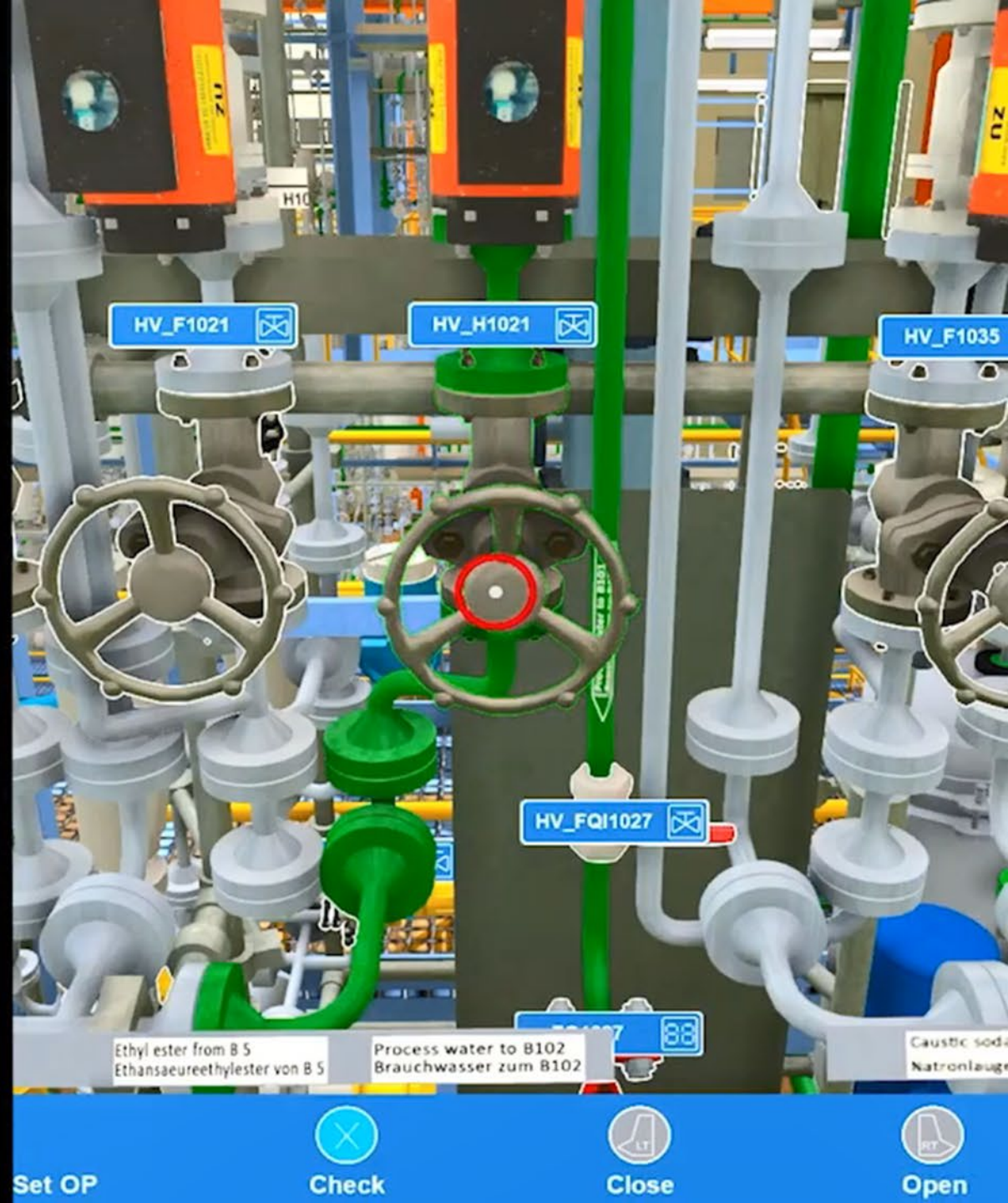
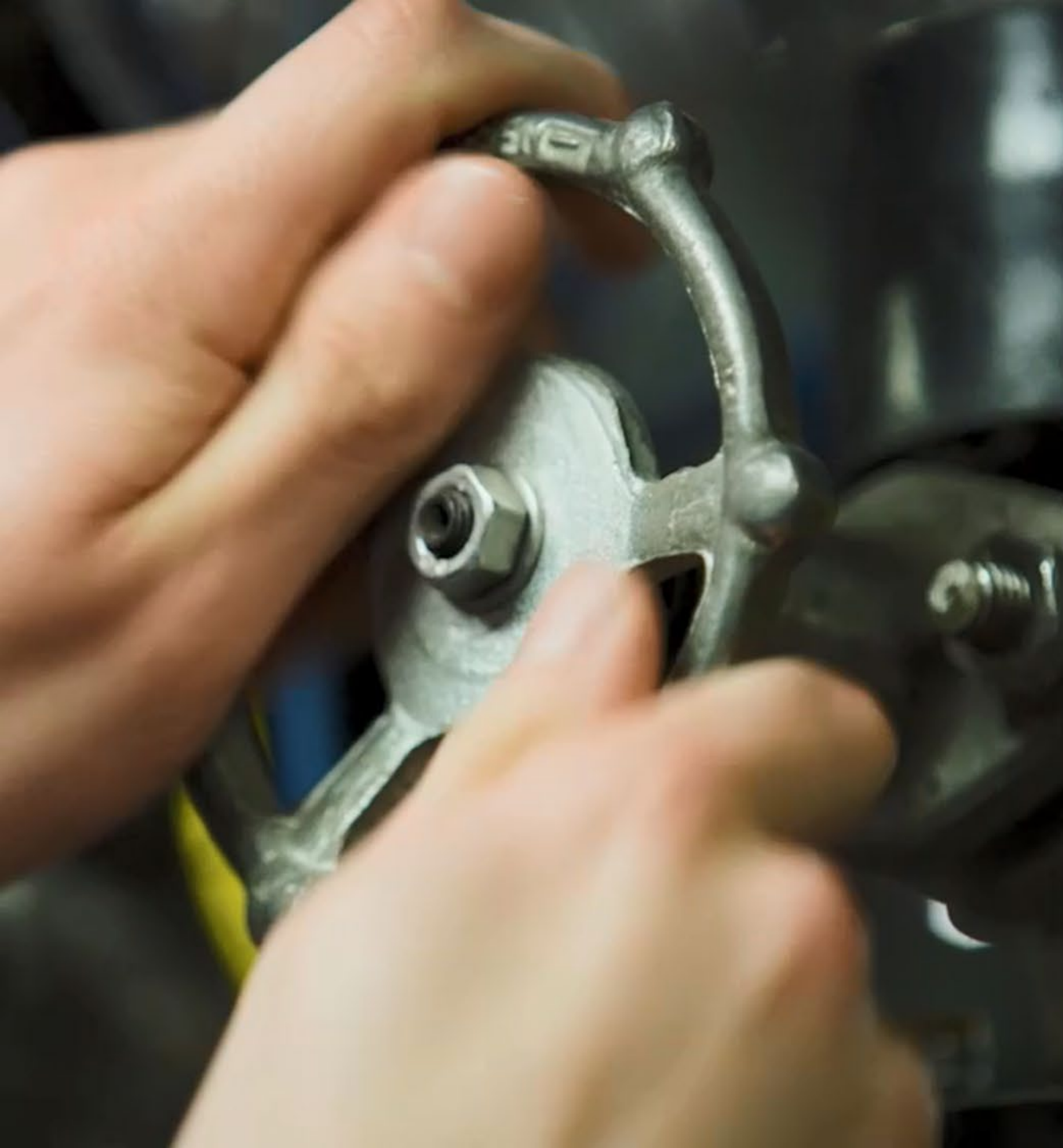


To drive collaborative innovation

Enabled by a **virtual representation** of your assets, processes and sites: the **digital twin**

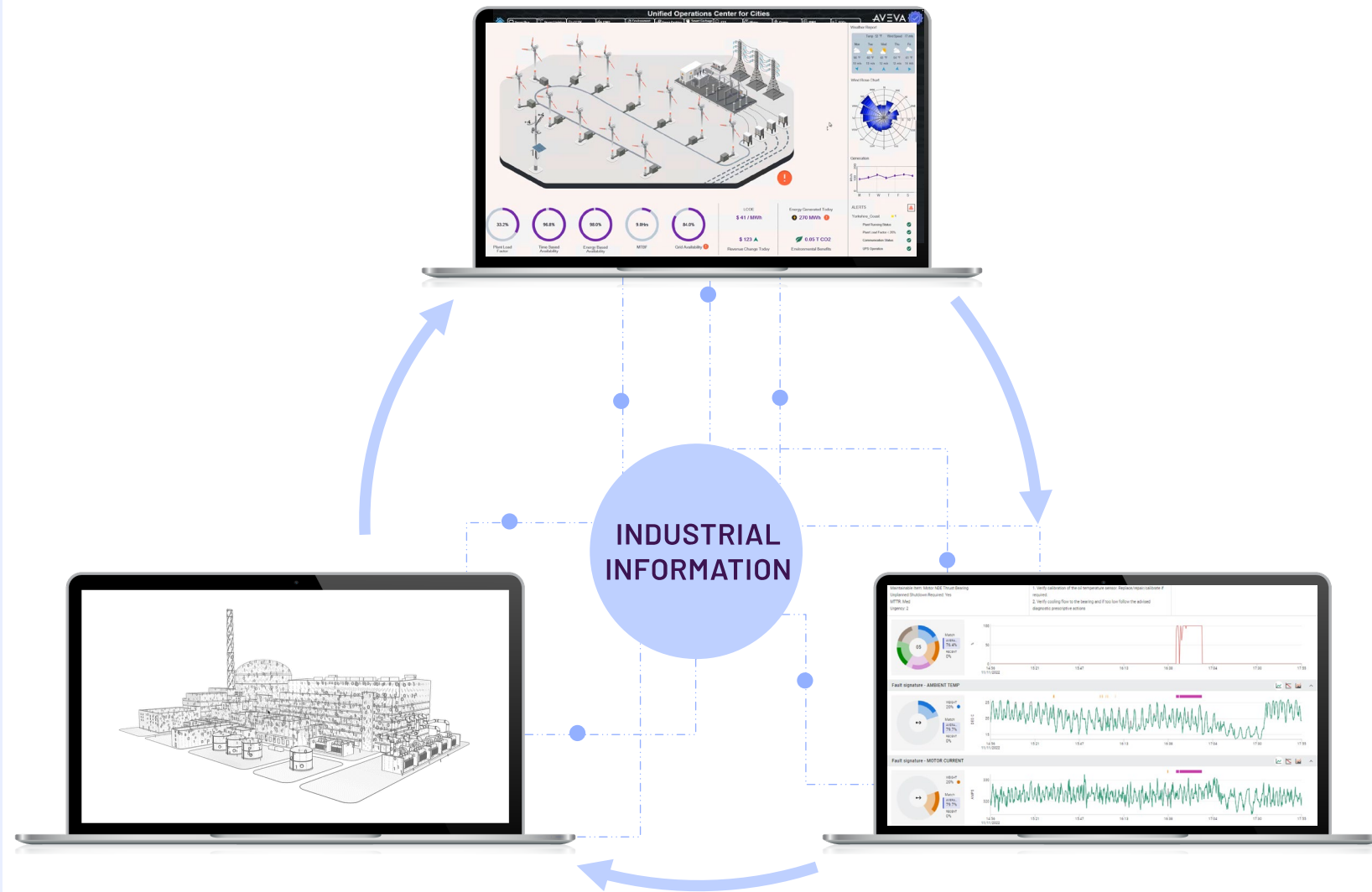




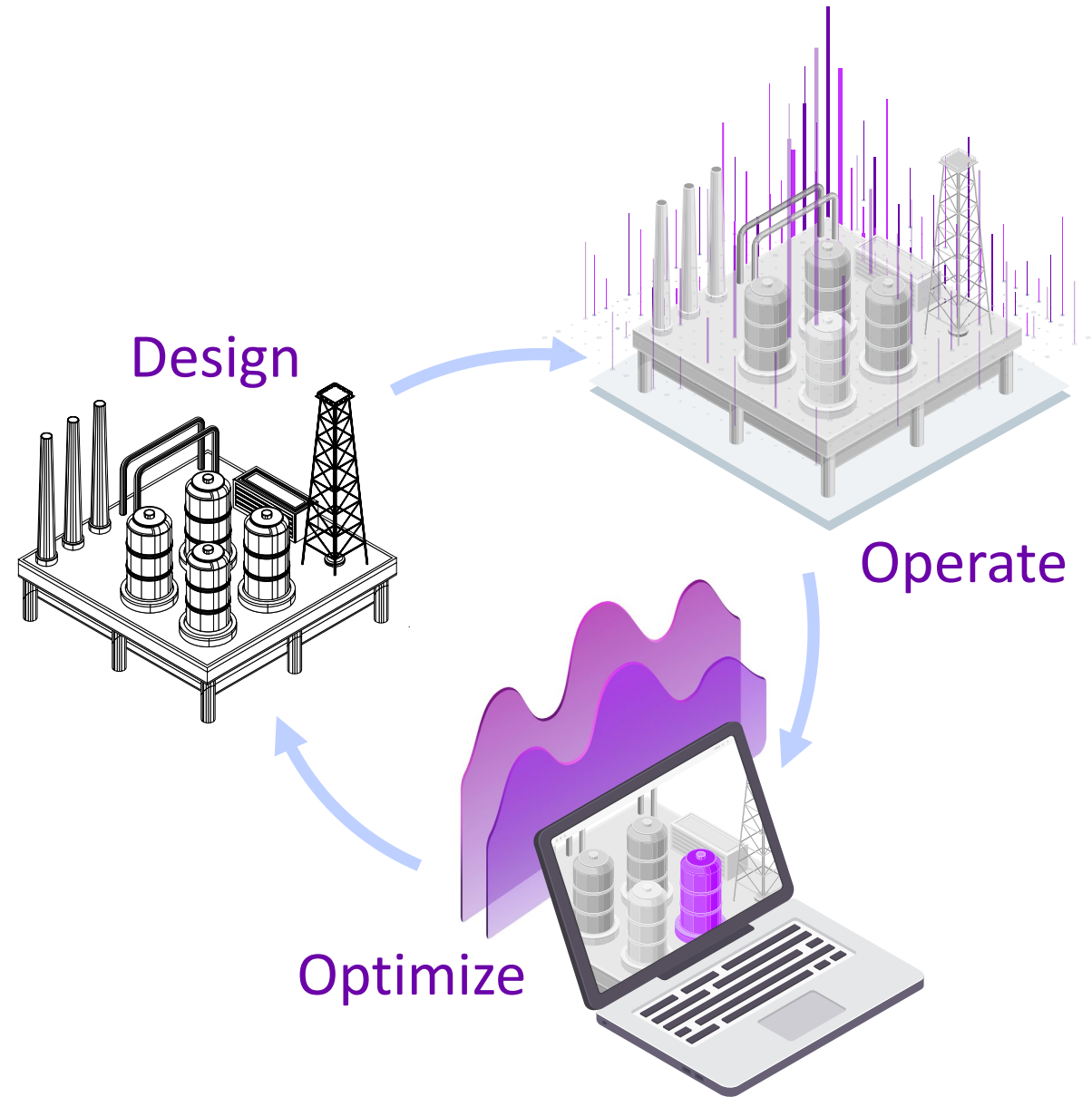


Industrial information
is at the heart of the
living digital twin

Frictionless exchange of
information fuels innovation
and confidence



Build **additive intelligence** with a living digital twin



- Home
- Alerts
- Alarms
- Assets
- Lists ▶
- Content ▶
- Dashboards ▶
- Collections
- Equipment Efficiency
- Strategize
- OEE Analysis
- Administration
- Recently Viewed ▶

 J-9002A (Pump)

0

Asset Actions ▼

Name / Title	Type	Parent	Location	Aliases
J-9002A	Pump	-	IED	/J-9002A

 > J-9002A

- Overview
- Summary View
- Point Cloud
- Additional Information

Properties

^ [Full Screen]

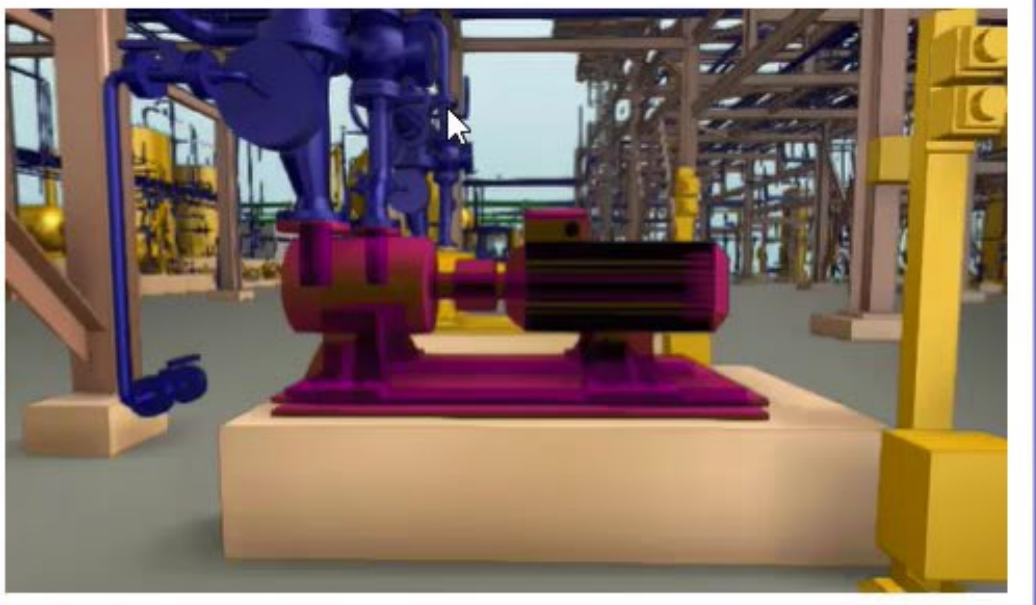
Core (12)	
Area Code	C31
Asset	IED
Category	Equipment
Function Code	PA
Main Tag	43PA002B
Maintenance System Code	43
Previous Ld Tag Number(s)	53PH001A
Purchase Order Number	ER300

Relationships

^ [Full Screen]

3D Models

^ [Full Screen]

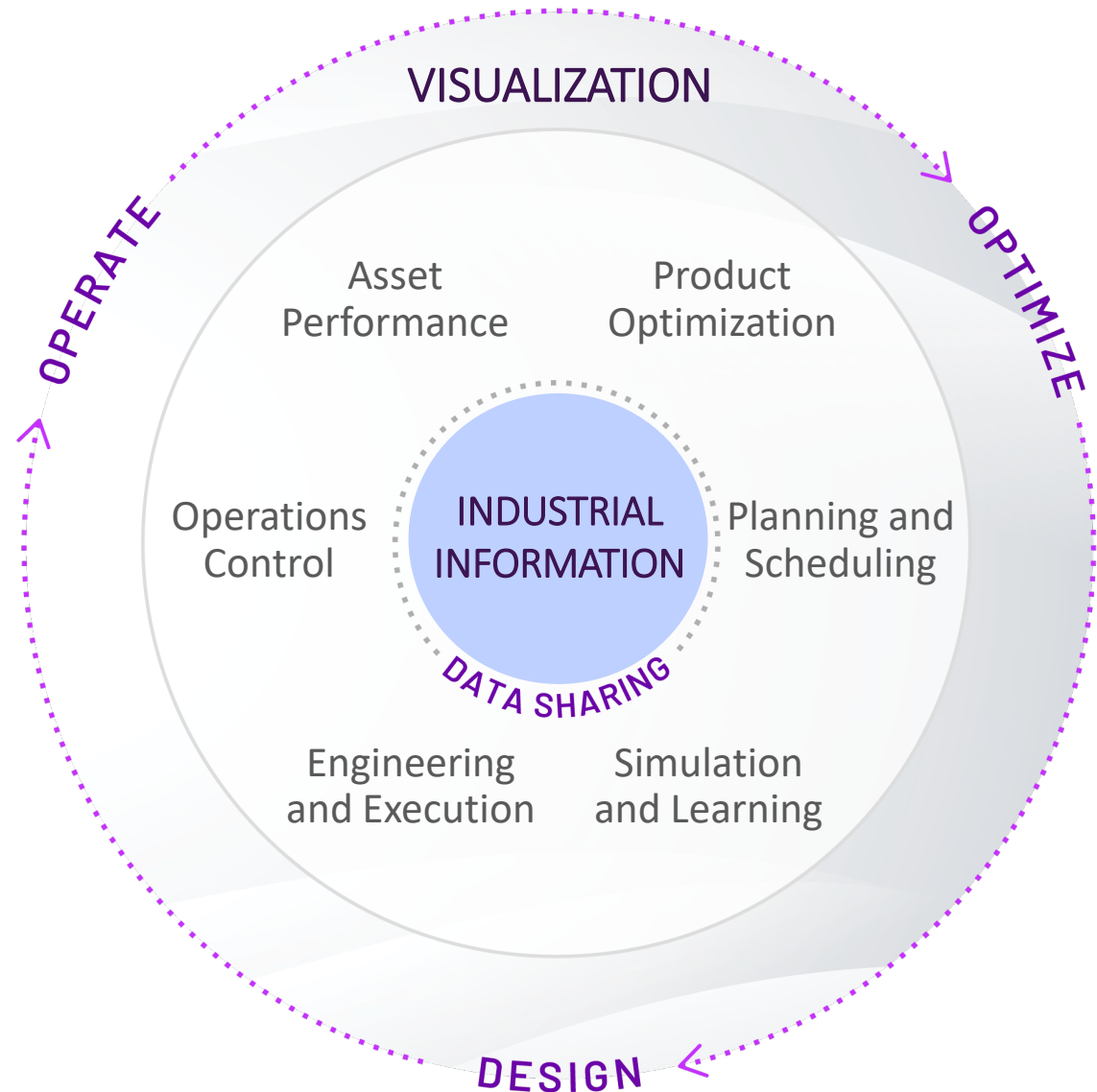


Documents

^ [Full Screen]

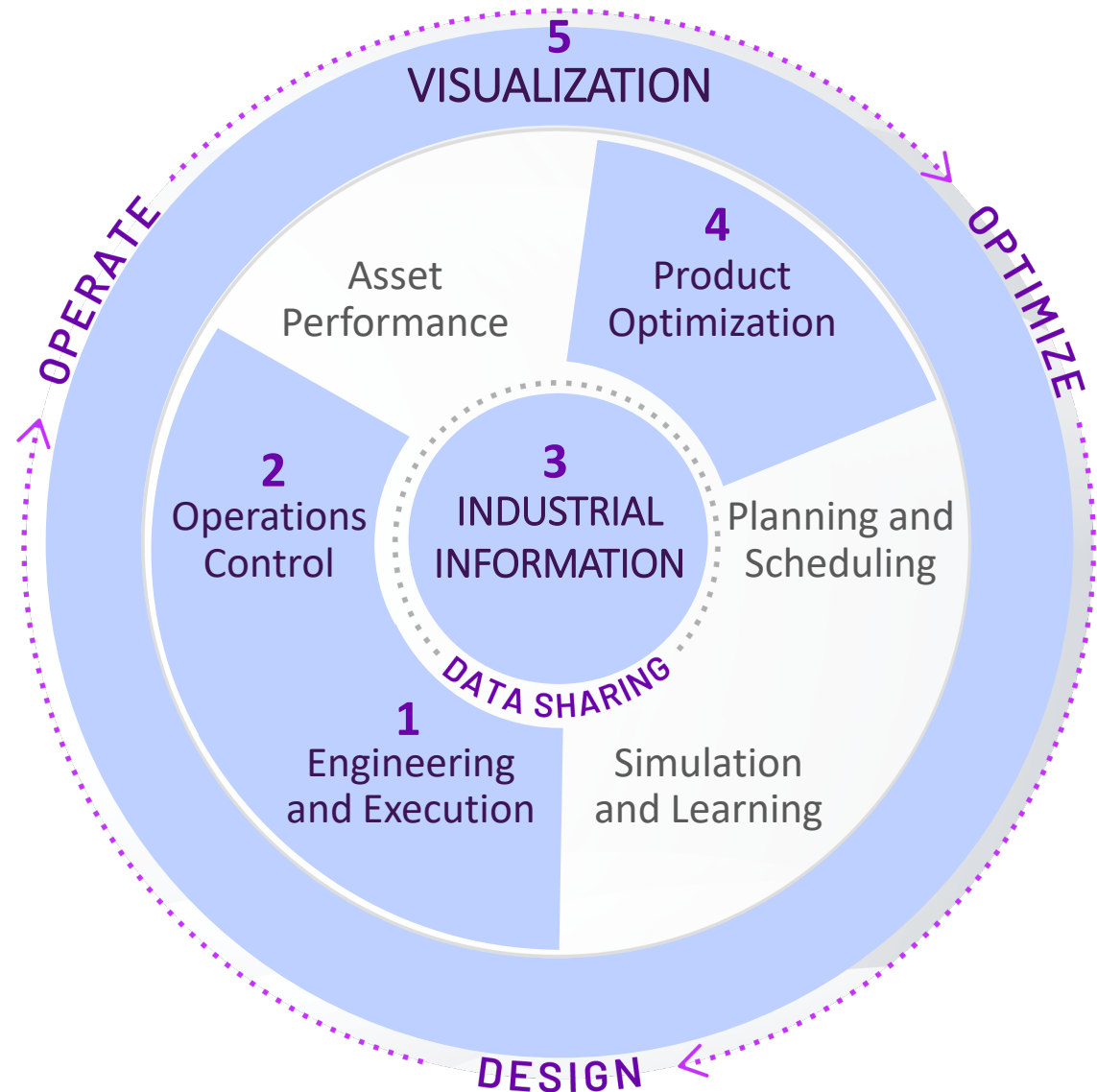
Leverage a complete digital thread,
purpose-built
for industry

Integrated digital tools across
the industrial lifecycle



Modular flexibility
allows you to take any
combination of paths

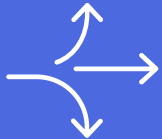
1. Design plant
2. Deploy HMI/SCADA
3. Engage business users
with AVEVA PI System.
Include 3rd party financials
4. Improve quality
5. Run multi-site comparisons



PORTFOLIO HIGHLIGHTS

Delivering value now and into your future

Our commitment to you



Extend the value of your
existing investments



Create an open,
vendor-neutral environment



Deliver an industrial
information platform

Design the plant of the future

Empower engineers to increase efficiency and succeed in competitive and sustainable markets



Booths: Engineering and design, Project execution, Simulation & learning, Digital twin, 3D visualization and extended reality

What's new

- New sustainability models
- Enhanced capabilities in all authoring solutions
- Extended AI and UX across AVEVA Unified Engineering and integration with AVEVA Enterprise Resource Management

What's connecting

- Enhanced data sharing and integrations for AVEVA Engineering and AVEVA Asset Information Management
- Full context digital twins with operations data



Global FPSO vessel builder and operator cutting emissions by 50% by 2030

Real-time data sharing across teams enables efficient vessel design, less rework and reduced emissions and materials use

Solutions

- AVEVA Connect
- AVEVA Unified Engineering
- AVEVA Asset Information Management
- AVEVA PI System



Operate from edge to enterprise

Intelligent systems enable workers of any experience level to work smarter



Booths: Operations control, Enterprise visibility, Pipeline operations, Edge and IIoT, Resilient infrastructure

What's new

- Empower connected workers with first-ever coordinated HMI/SCADA release for 2023 with an enhanced UI/UX experience
- Faster value with renewables and mining templates plus modern web client for AVEVA Unified Operations Center

What's connecting

- Native integration from AVEVA Historian to AVEVA PI System, aggregating to the cloud with AVEVA Data Hub



**PIMPRI CHINCHWAD
MUNICIPAL CORPORATION**

Indian smart city enables data-driven decisions across 4.6k municipal services and tools

- 15%+ reductions in energy use and emissions
- 25% reduction in water losses
- 18-22% reduced traffic congestion at critical junctions

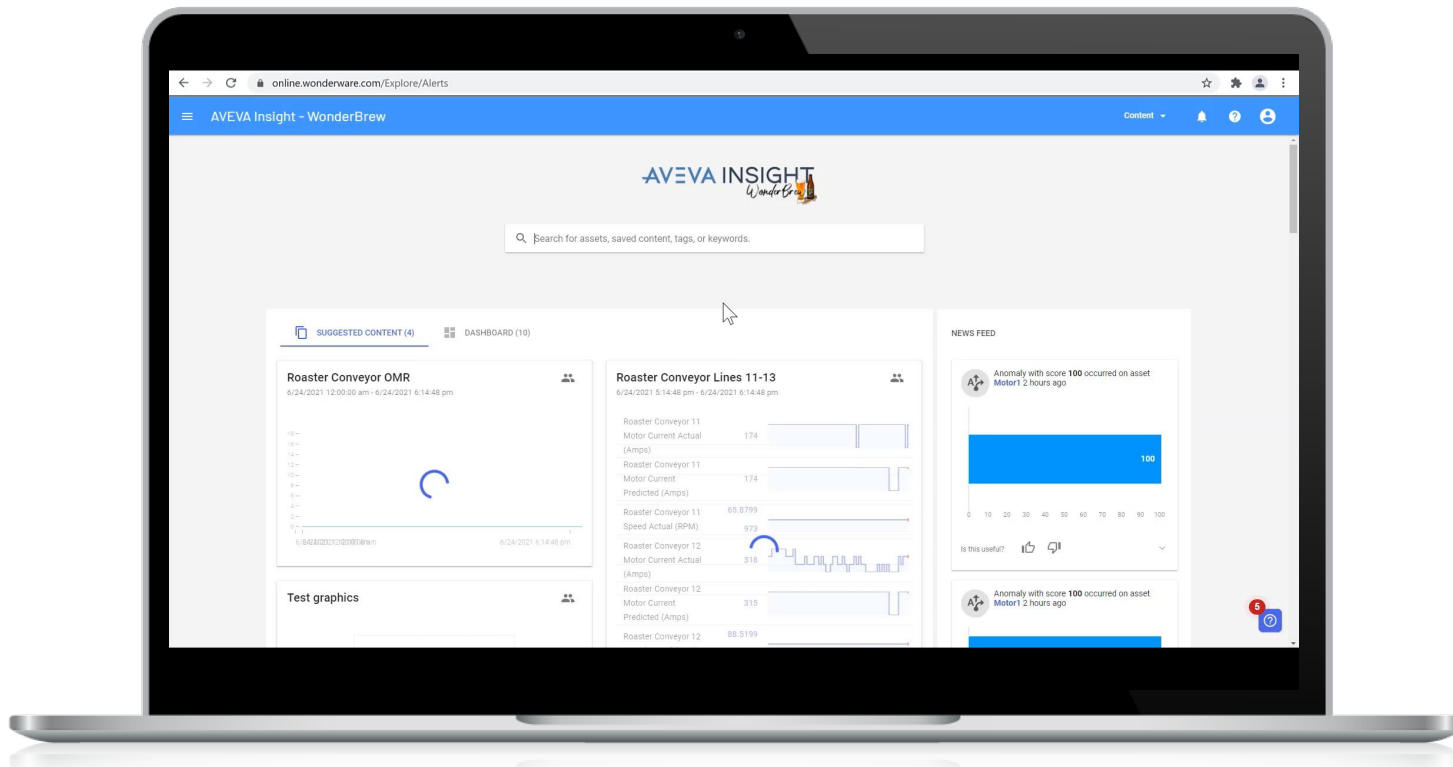
Solutions

- AVEVA Unified Operations Center



Optimize assets and processes

Purpose-built, industrial AI delivers real results for the real world



Booths: Asset performance, Connected worker, Industrial AI, Planning and scheduling, Production optimization, Value chain optimization

What's new

- Schedule work based on data-driven performance plans and asset predictions of remaining useful life
- Reduce supply chain scheduling and optimization tasks from days to seconds

What's connecting

- Integration between AVEVA's AI-powered analytics and AVEVA PI System bridges the gap between process and analytics
- Supporting cloud journey with hybrid MES



Thailand's largest petrochemical company saves 40% on maintenance costs

Unified digital reliability platform realizes 9x ROI in six months

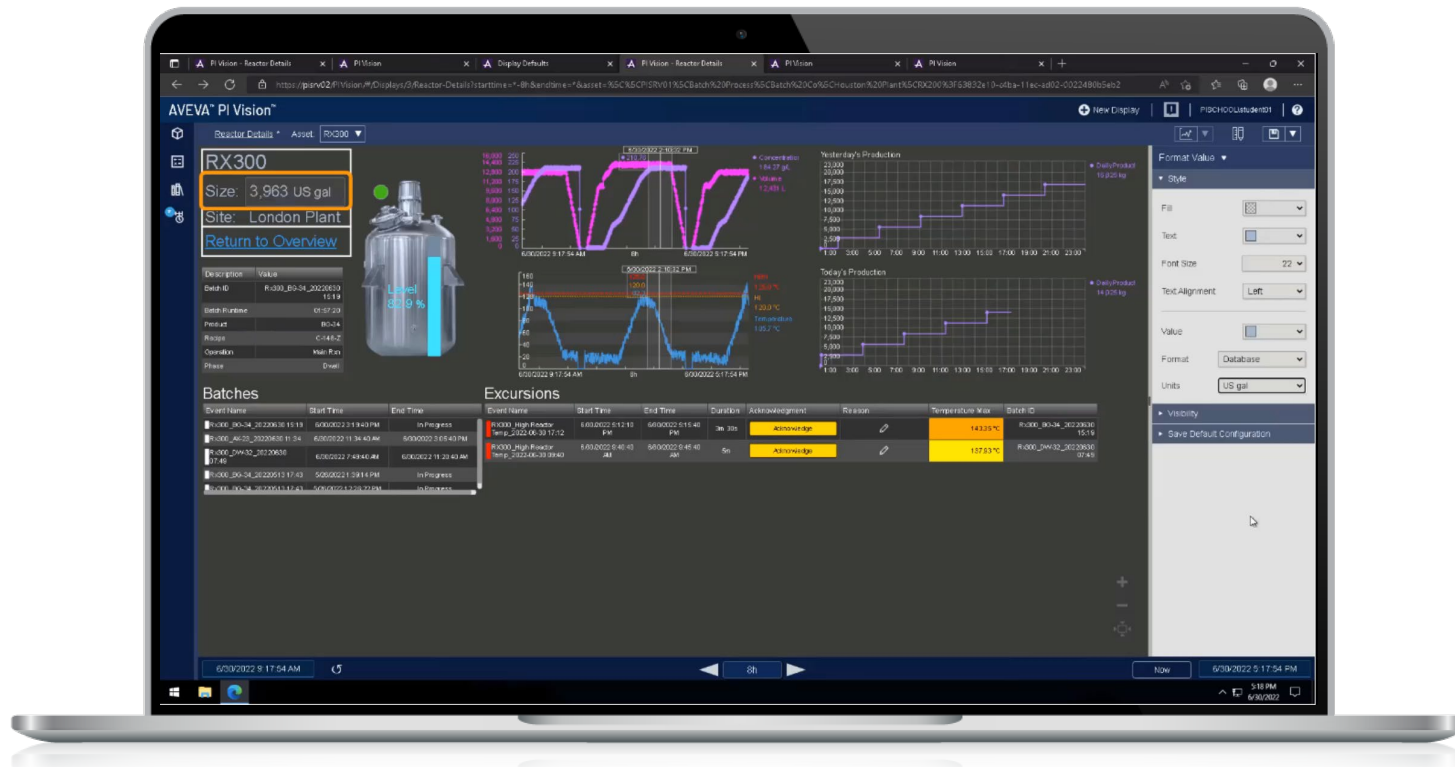
Solutions

- AVEVA Predictive Analytics
- AVEVA Mobile Operator
- AVEVA Unified Operations Center
- AVEVA PI System



Build your information infrastructure

Seamless, hybrid data management from edge, site, through the cloud for data-driven decisions



Booths: AVEVA PI System, Edge and IIoT,
Resilient infrastructure, Industrial cloud platform

What's new

- Enhanced event analysis, ad-hoc calculations, and improved display management in AVEVA PI Vision
- Easily view health of asset analytics and identify needed corrections

What's connecting

- Asset information from AVEVA PI Server can now be used in AVEVA Data Hub to provide asset context for data science projects



Italian energy leader drives fully-autonomous digital plant vision

- 220+ potential failures prevented
- Quick pivot to remote operations during pandemic
- IIoT data sharing across enterprise

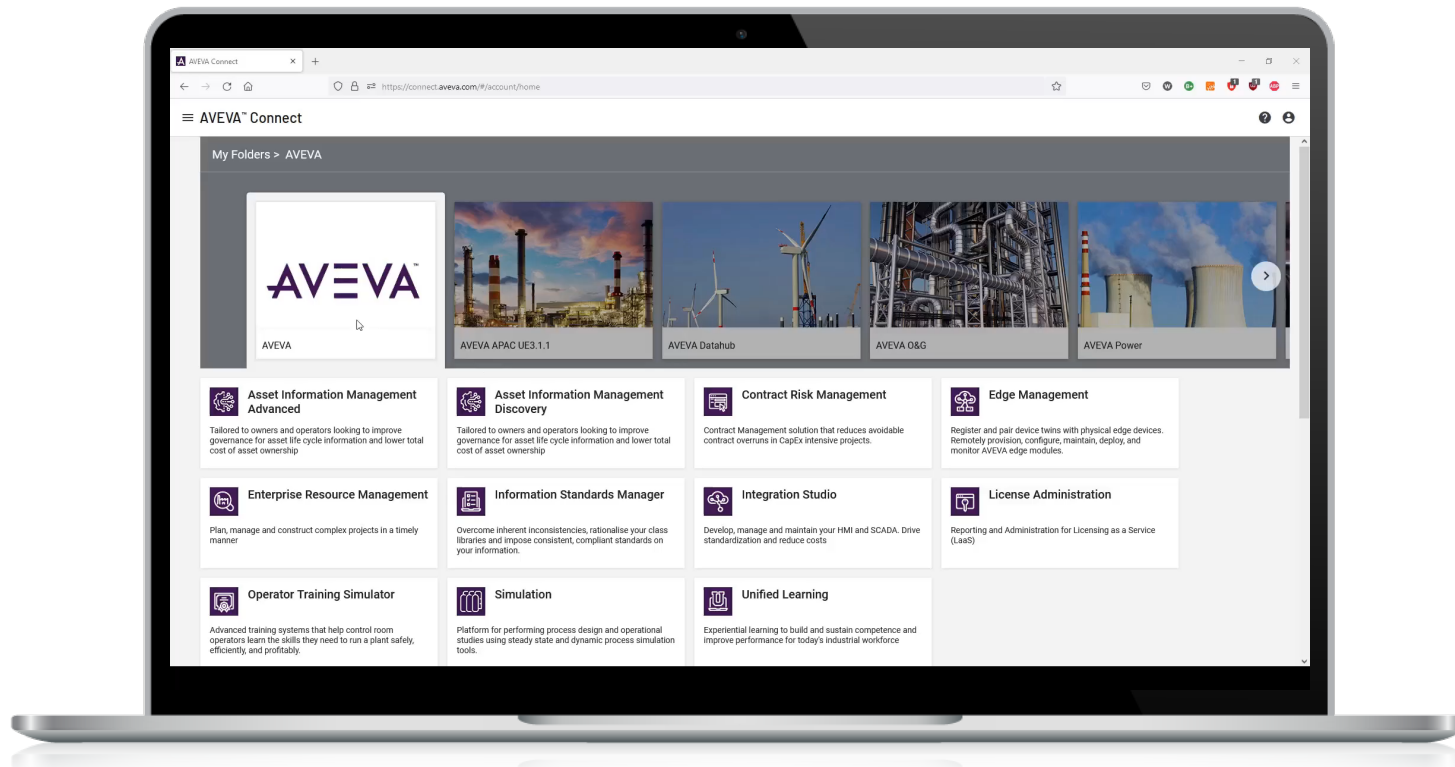
Solutions

- AVEVA PI System
- AVEVA Predictive Analytics



Extend your ecosystem through the cloud

Frictionless exchange of information with vendors and partners to drive new business models



Booths: Industrial cloud platform, Edge and IIoT

What's new

- Data aggregating and sharing capabilities available on AVEVA Connect through AVEVA Data Hub

What's connecting

- Driving toward a single information platform for both AVEVA and partner solutions to support ecosystem of developers



Green energy consultant creates secure data sharing ecosystem

Data transparency with partners up and down the value chain supports new sustainability requirements and smart grid management

Solutions

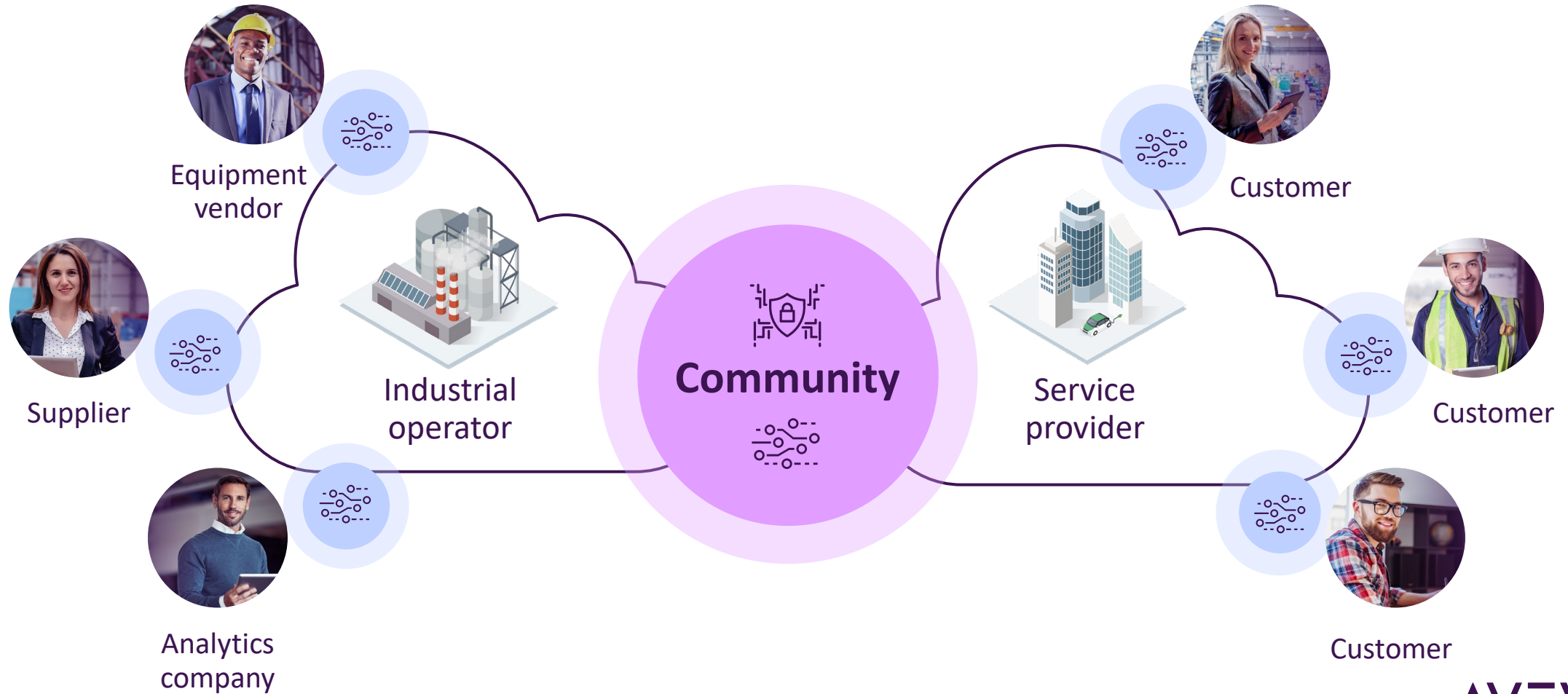
- AVEVA Connect
- AVEVA Data Hub
- AVEVA PI System



AVEVA

Creating a platform to support the connected community

Accelerating network effect between producers, consumers, and application developers



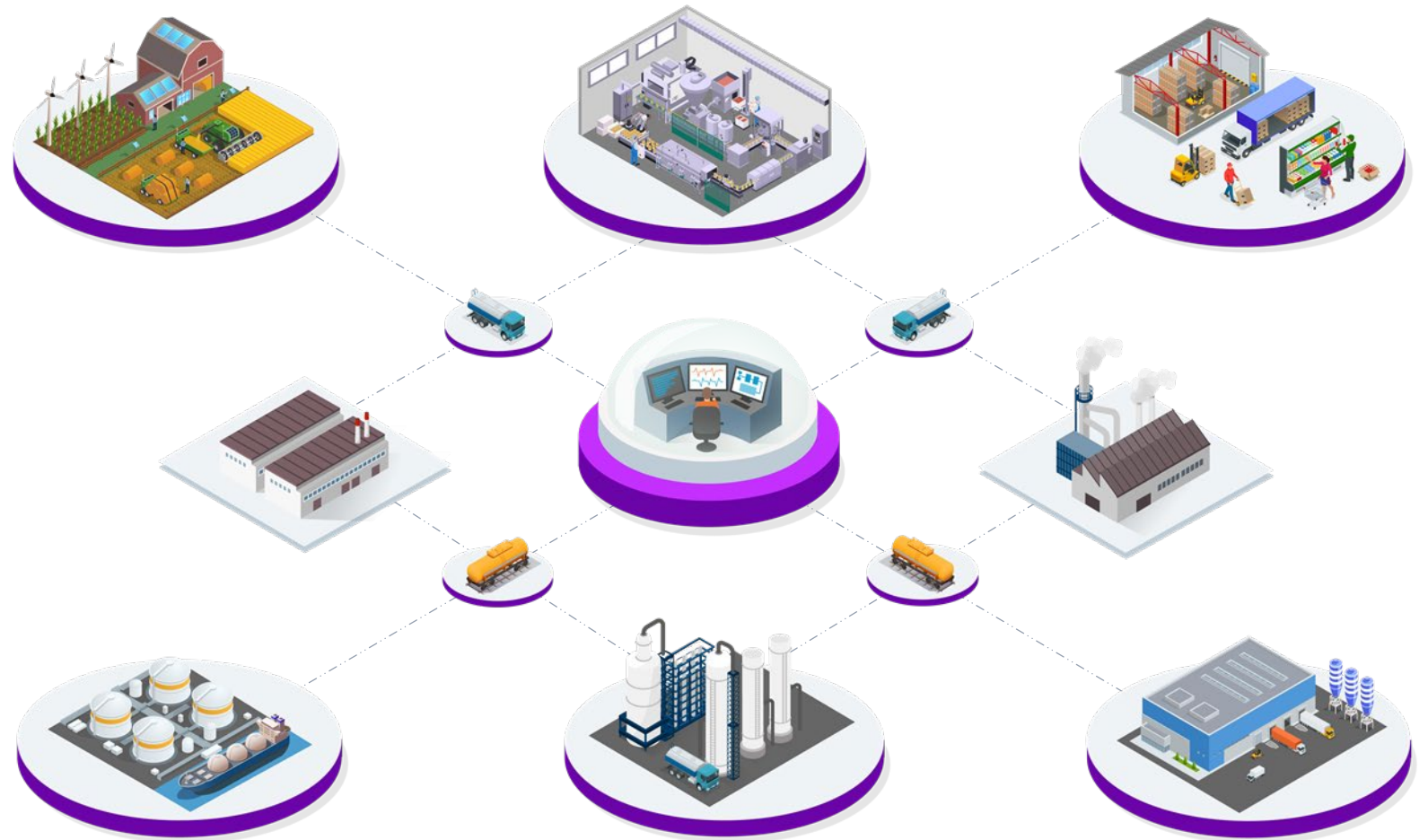
Energy has an ecosystem



Cities have an ecosystem



Manufacturers have an ecosystem



And they're connected





How will you connect?

This week

Get **inspired** by your peers (including in other industries). Chat with our experts and partners about extending the value of your AVEVA solutions

This quarter

Connect with someone from another part of the **industrial lifecycle** in your organization. How can you collaborate?

This year

Think about your industrial **information** as a strategic asset. How can you **partner** with customers, suppliers or partners to create a new revenue stream or drive new synergies?

AVEVA