EMEA AGM – DAY 3

Unified Engineering

Julien de Beer – Head of Portfolio Management, Engineering

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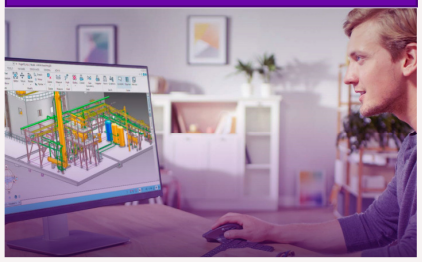
Plant of the Future – Four Paths

Balancing efficiency & sustainability across projects and operations

1. Engineer sustainable, digital greenfield plants



2. Execute efficient, digital capital projects



3. Transform brownfield plants to connected, digital facilities



4. Maintain your digital twin to operate safely and sustainably



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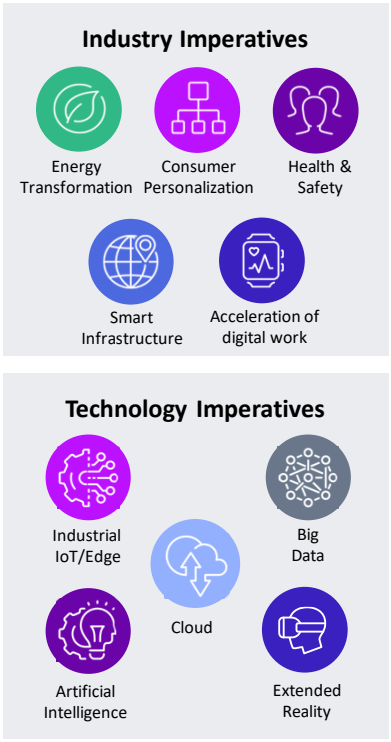
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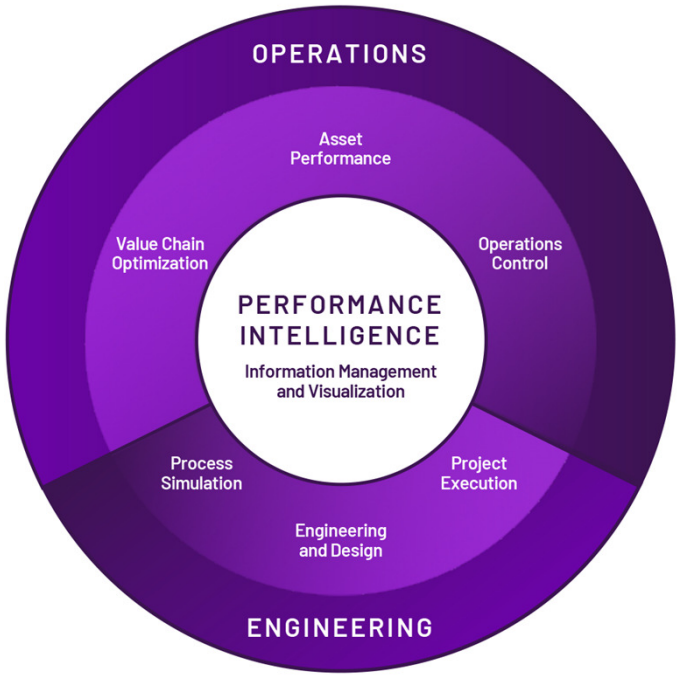
Unified Data Platform: Plant of the Future's beating heart

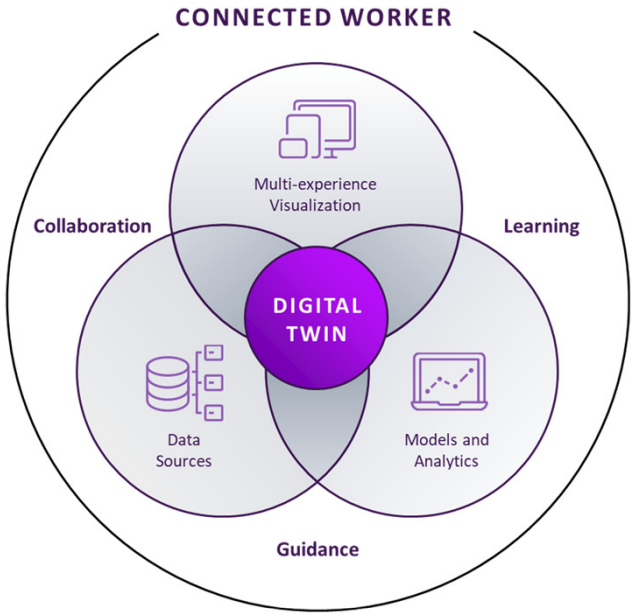
AVEVA's end-to-end industrial software to optimize engineering and operations

+

OSIsoft's PI System is the industry standard for industrial information management





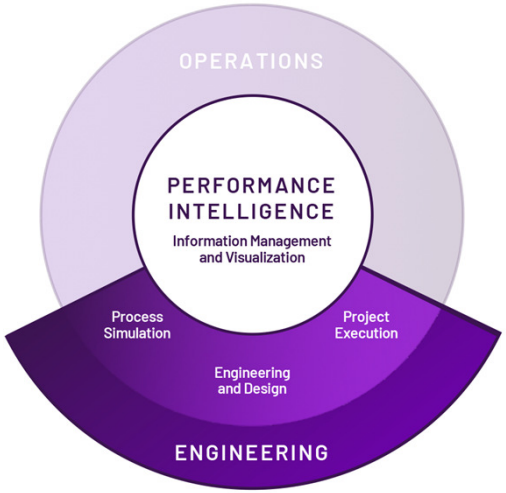


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AVEVA's EPC 4.0 Suite – Unifying Engineering, Execution and Learning



Simulation

Design

Execution

Learning

Manage

Information Management

MANAGE					
AVEVA Info Standards Manager	AVEVA Info Gateways	AVEVA Reporting and Analytics	AVEVA Visualization (3D)	AVEVA Visualization (Laser)	AVEVA Asset Search

SIMULATION	DESIGN		EXECUTION		LEARNING
AVEVA Process Simulation	AVEVA Engineering	AVEVA E3D Design	AVEVA ERM - Materials	AVEVA Contract Risk Management	AVEVA Unified Learning
AVEVA Dynamic Simulation	AVEVA Electrical & Instrumentation	AVEVA Point Cloud Manager	AVEVA ERM - Construction Management	Project Controls	AVEVA Operator Training
Cost Estimation	AVEVA P&ID and Diagrams	AVEVA E3D Structural Design	AVEVA E3D Fabrication Management	Commissio-ning	AVEVA Pipeline Training

Unified Engineering | Unified Project Execution | Unified Learning

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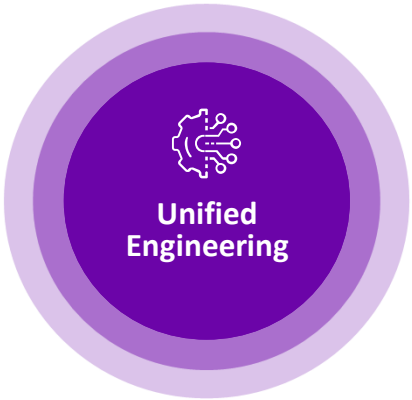
Have you already used AVEVA solutions in the Cloud?

ⓘ Start presenting to display the poll results on this slide.

AVEVA Unified Engineering:
One hub for Conceptual, FEED and Detailed Design

Multi-discipline collaboration of conceptual, FEED and detailed design with seamless information flow from one single data hub

Simulation
One single platform instead of multiple point solutions with interactive Process and Control Engineering



Engineering and Design
A single, data-centric, platform for discipline engineers to work together on, keeping all engineering data in one place

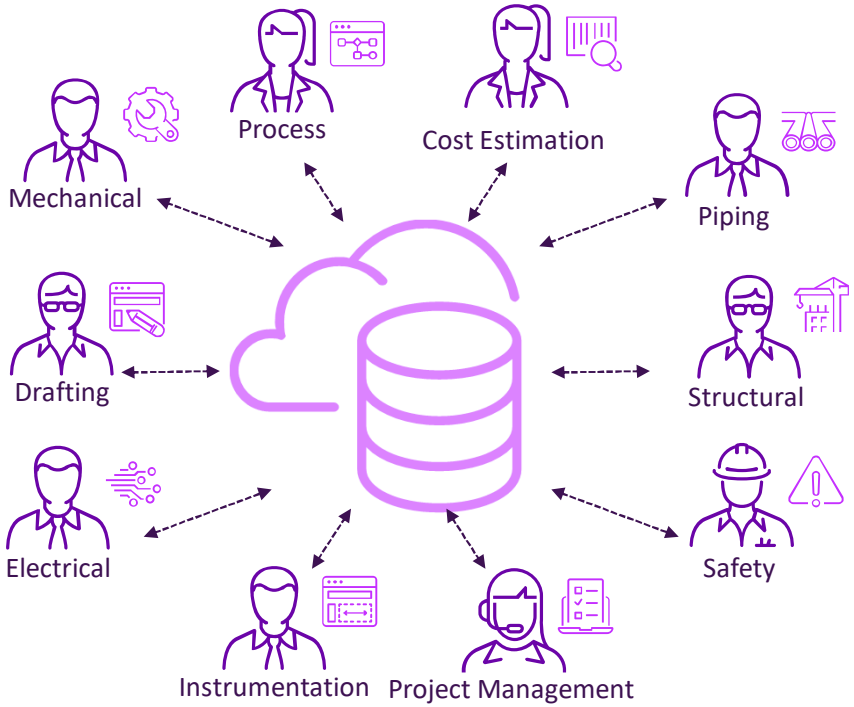
- Accurate and mature design deliverables
- Efficient collaboration and automated updates
- Bi-directional data flow
- Digital Twin Data Model

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AVEVA Unified Engineering

On AVEVA Connect



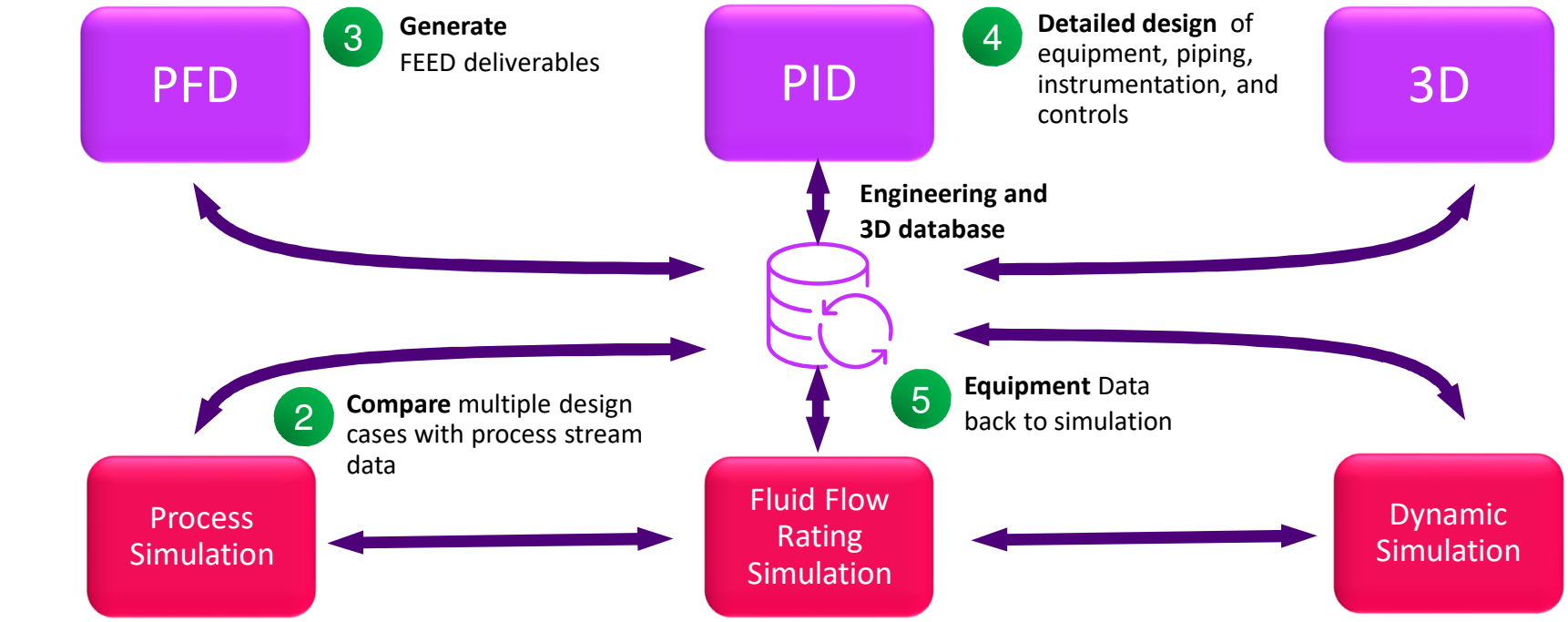
Multi-discipline teams sharing a data-centric cloud environment

- Accelerate time to project start-up
- Communicate and collaborate effectively
- Share information seamlessly
- Quickly and easily find the right data
- View and validate changes in real-time

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AVEVA Unified Engineering:
The physical asset + process behavior side of your Digital Twin



Simulation changes made for Rating and Dynamics are automatically included in process simulation

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AVEVA Unified Engineering

Where we add value



New Digital Business

Pursue new digital business deliverables in the market with a Unified Engineering platform developed for this purpose



Streamline Collaboration

Enable engineers to complete deliverables faster, and with greater maturity so that you can deliver your project on time and on budget



Reduce Cost, Risk and Delays

Minimize engineering errors and accelerate project execution:

- 50%[5] faster FEED stage
- 30%[6] increase in engineering efficiency
- 5%[7] of TIC cost reduction in design phase alone



Maximize Margins

Reduce cost throughout capital projects while improving the quality and reliability of engineering deliverables

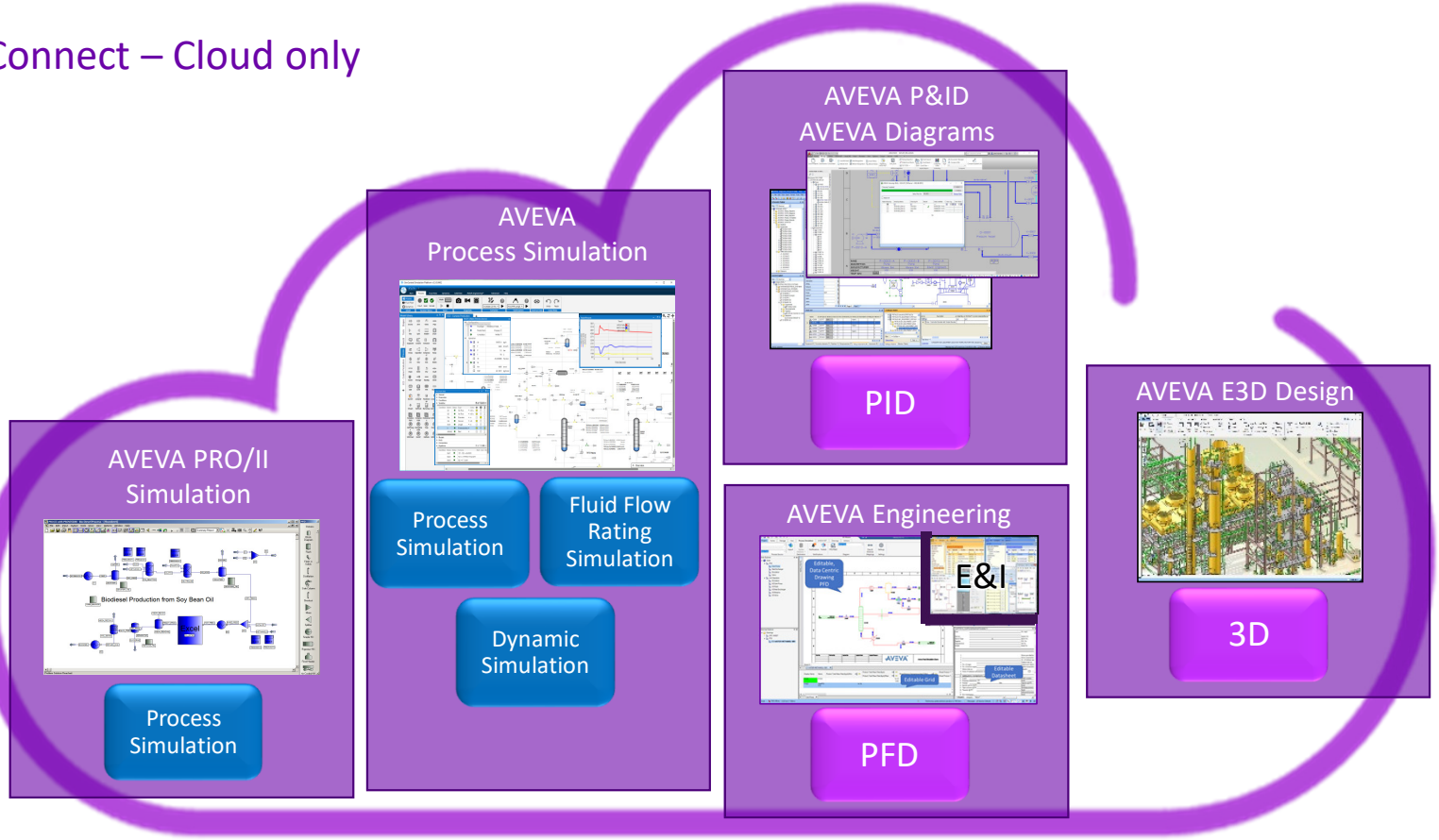
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AVEVA Unified Engineering

On AVEVA Connect – Cloud only



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Digital acceleration with AVEVA software in the Cloud

Drive business resiliency. Transform faster, reduce costs and easily scale.

Working with
4,200+
Cloud customers globally

Per week
80,000+
unique user sessions

Seeing at least
20%
efficiency gain by moving to Cloud



Fast
- Rapid time to value
- Fast deployment
- Improve decision-making

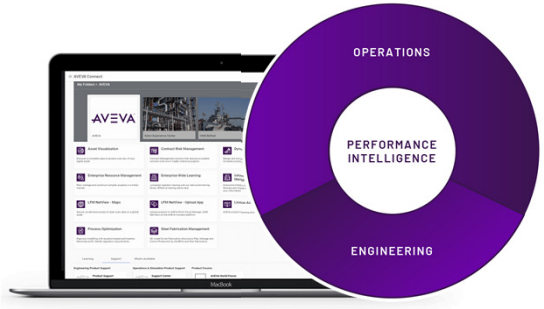
Flexible
- Scalable commercial model
- Allow hybrid environments
- Lower total cost of ownership

AVEVA Connect
our common cloud platform

Collaborative
- One single source of truth
- Transparent collaboration
- Empower remote working

Secure
- Certified data security
- > 99% uptime
- Reduce IT dependency

The broadest and deepest industrial software with seamless collaboration in a single out-of-the-box cloud hub



Our proven technology and expertise helping you **reduce the time to value** and **improve your business agility**

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Numbers updated: 03 March 2021

AVEVA is ~~not~~ a cloud company

It’s now easier than ever to get into the cloud with AVEVA



Remote

- Proven, repeatable remote deployment capabilities
- No need for service personnel to visit site
- Enables real time collaboration for remotely located staff



Secure

- Securely provides high levels of uptime
- CSA certified with SOC compliance capability
- 99.99% availability with centralized user management and single sign-on



Fast

- Can be deployed in five days
- Will be fully operational in a month
- Almost immediate speed to value with instant ability to make agile decisions and ensure sustainable growth

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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

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