AVEVA Cloud Vision

Harnessing the Digital Opportunity to Enable the New Way of Work

AVEVA Cloud/ENG/July 2020

The world has changed overnight

Entering a world of remote everything, a tremendous leap to digitalization



"**Digitalization** is the use of digital technologies to change a business model and provide new revenue opportunities" - Gartner

50%
of companies had plans to invest in Digital Transformation and AI in next 3 years

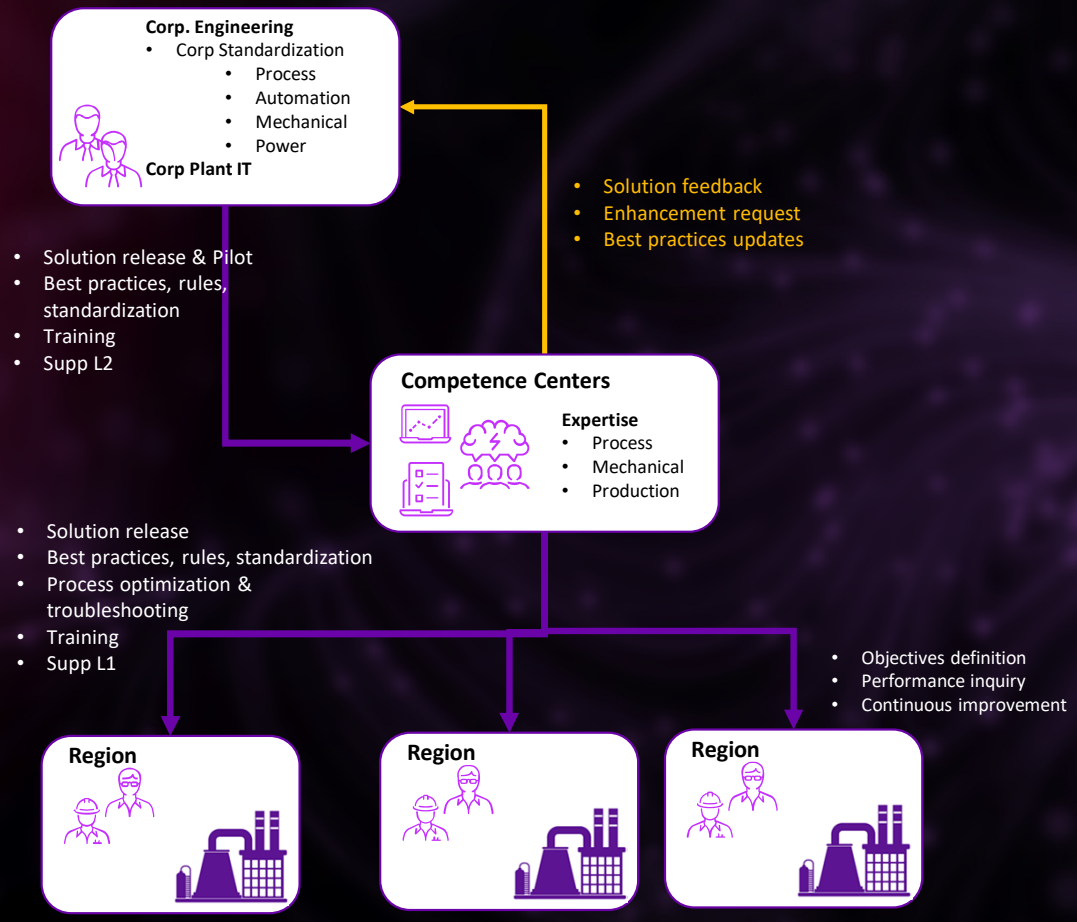
66%
of manufacturing enterprises report using a cloud implementation

5Billion
connected things this year will enable new levels of operational visibility

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Opportunity to Have Asset Awareness Across Fleet



New Reality of Work Post Covid

Virtual Team of Engineering

- One Digital Model / twin of Plants
- Leveraging sub contractors that invited to work on projects

Virtual Team of Expertise

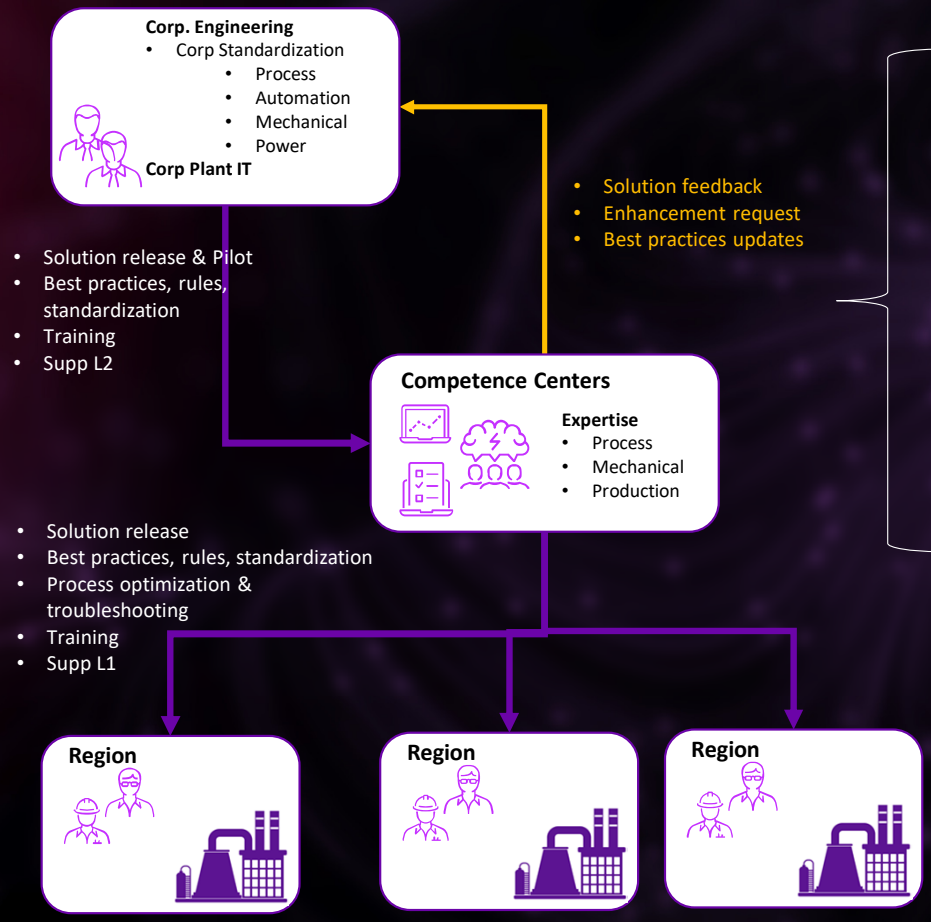
- Process, Mechanical, Chemical, Production experts
- Out side the plant
- Need to have transparency across the plants
- They need to be able to do analysis, model
- They need to collaborate for actions
- They need to be able advise, recommend and interact with plants

Isolated Production Crews

- Necessary Production teams only in plants
- Looking for expertise collaboration

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Opportunity to Have Asset Awareness Across Fleet



Opportunity to Change

Step 2 – En Rich and Optimize

Step 2

Value Chain Optimization
- Demand Driven
- Customer Centric
- Optimization

Empowerment
- Alignment Process
- Knowledge in System
- Augment Awareness

Value Chain Visibility
- Transparency in Context
- Trusted Information
- Aligned Context

Team
- Collaboration
- Team Effectiveness
- Empowerment

Value Chain

Workforce

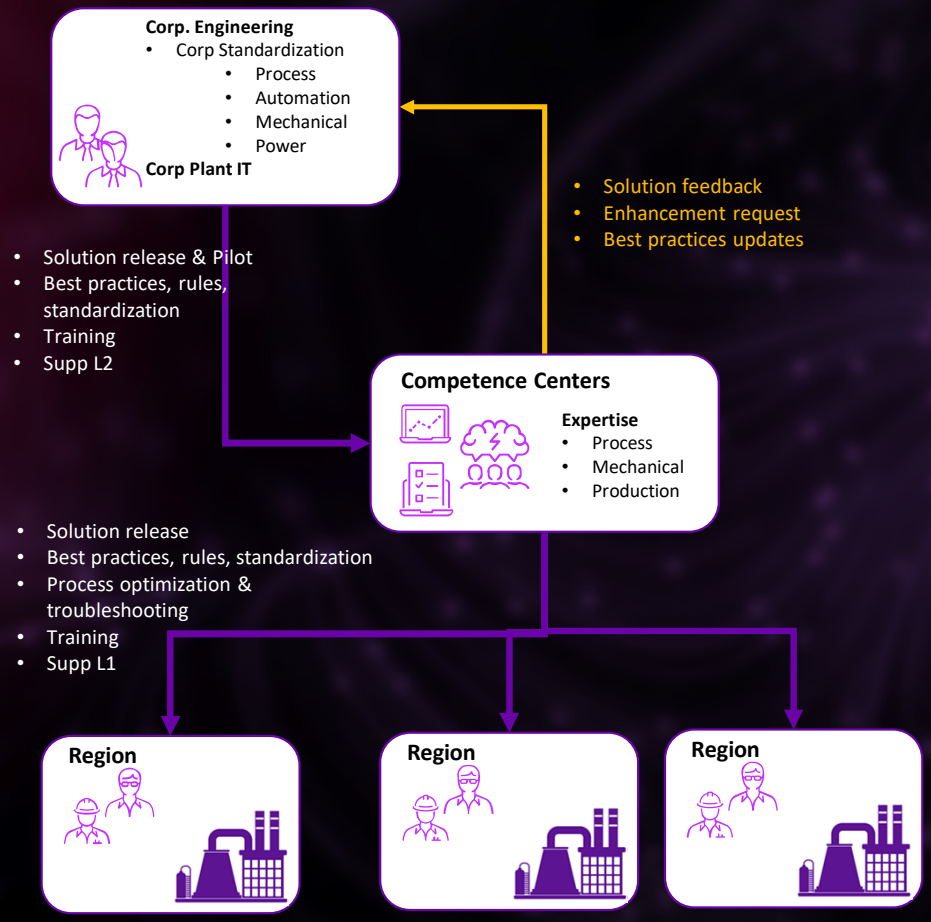
Step 1 – End to End Transparency

Step 1

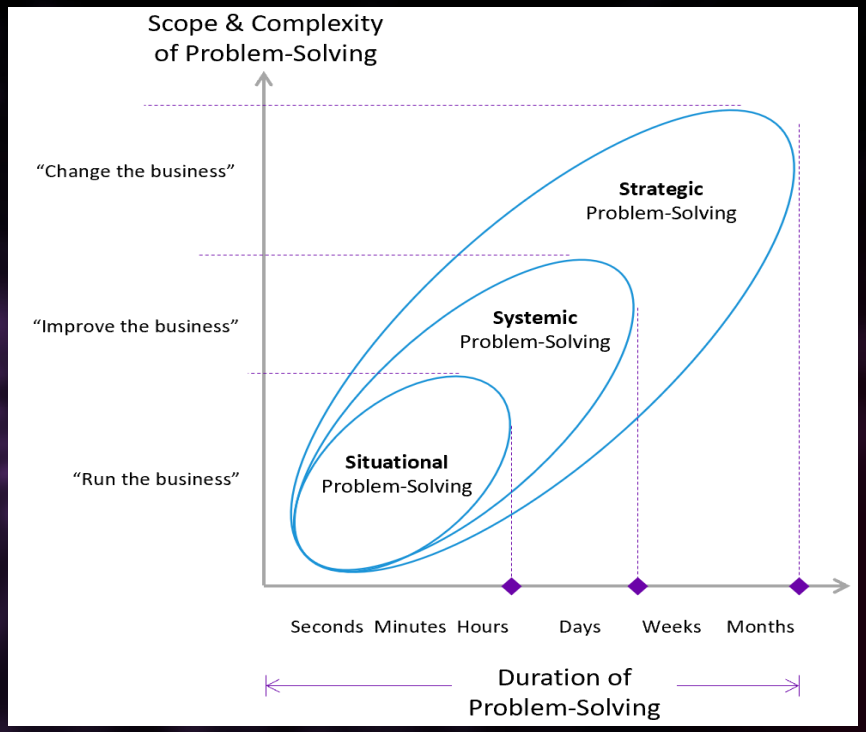
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Opportunity to Have Asset Awareness Across Fleet



Enabling the Problem Solving Workforce



- Objectives definition
- Performance inquiry

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AVEVA Cloud vision

ENGINEERING EFFICIENCY

- Federated Design & Engineering Teams
- Multi Region Teams
- Fast On Board Teams
- Collaborate and Share
- Enable Digital Services
- Efficiency of Distributed Teams

Presentation

- Mobile, Web, Desktop
- Contextual Access
- Role based
- My access
- Collaboration

Presentation (BI, 3D, XR, Dashboards, Engaged Worker)

Collaboration/ Roles

DESIGN | ENGINEER | DELIVER | COMMISSION | MODERNIZE | TRAIN

Design, Engineer

Engineering

PROCESS ANALYSIS | OPERATIONAL PERFORMANCE | PROCESS OPTIMIZATION | PRODUCTION OPTIMIZATION | ASSET RELIABILITY | ASSET MAINTENANCE

Operate, Perform

Operations

AI

"LIVING DIGITAL TWIN"

Integration

Common Cloud Platform Services

OPERATIONAL EFFICIENCY

- Federated Plants & Existing Teams
- Operational Transparency across Plants
- Value Chain Optimization
- Asset Reliability & Effectiveness
- Asset & Process Optimization
- Enable New Teams, and Collaboration

Integration

- Inter Cloud
- Inter Application
- Hybrid

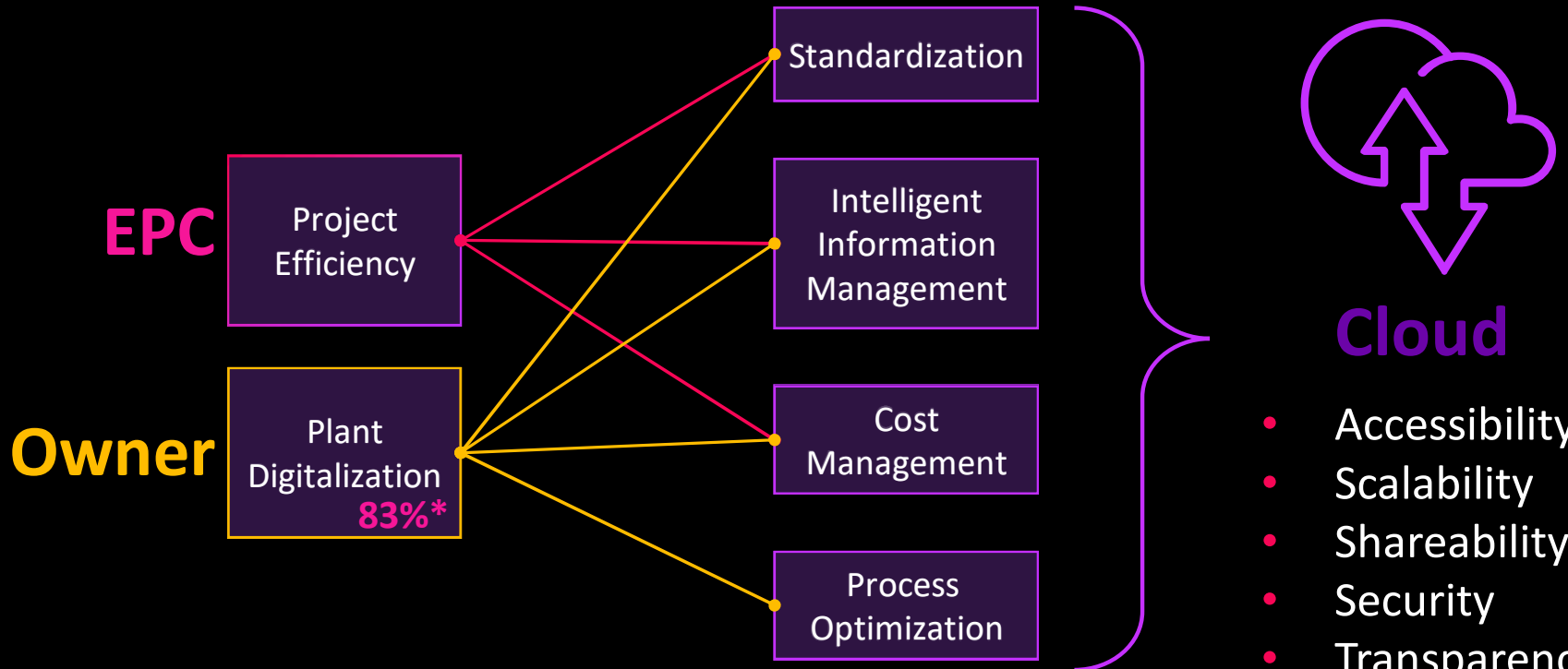
INFORMATION EFFICIENCY

- Federated information
- End to End 360 Degree Transparency
- Augmented Search / Understanding

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New emerging digital business models

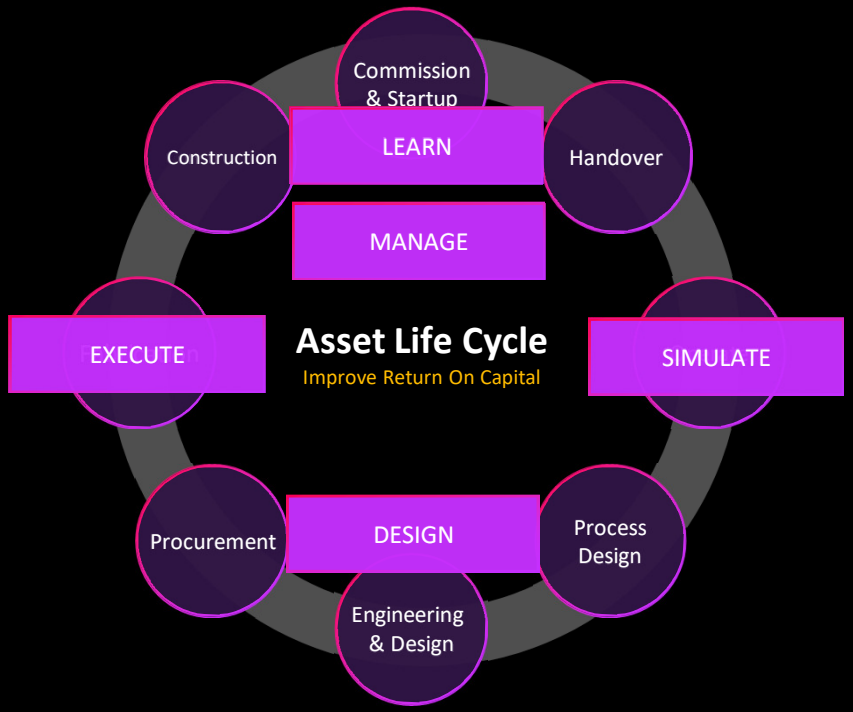


- *The top priority (Gartner)

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Engineering Efficiency with Cloud

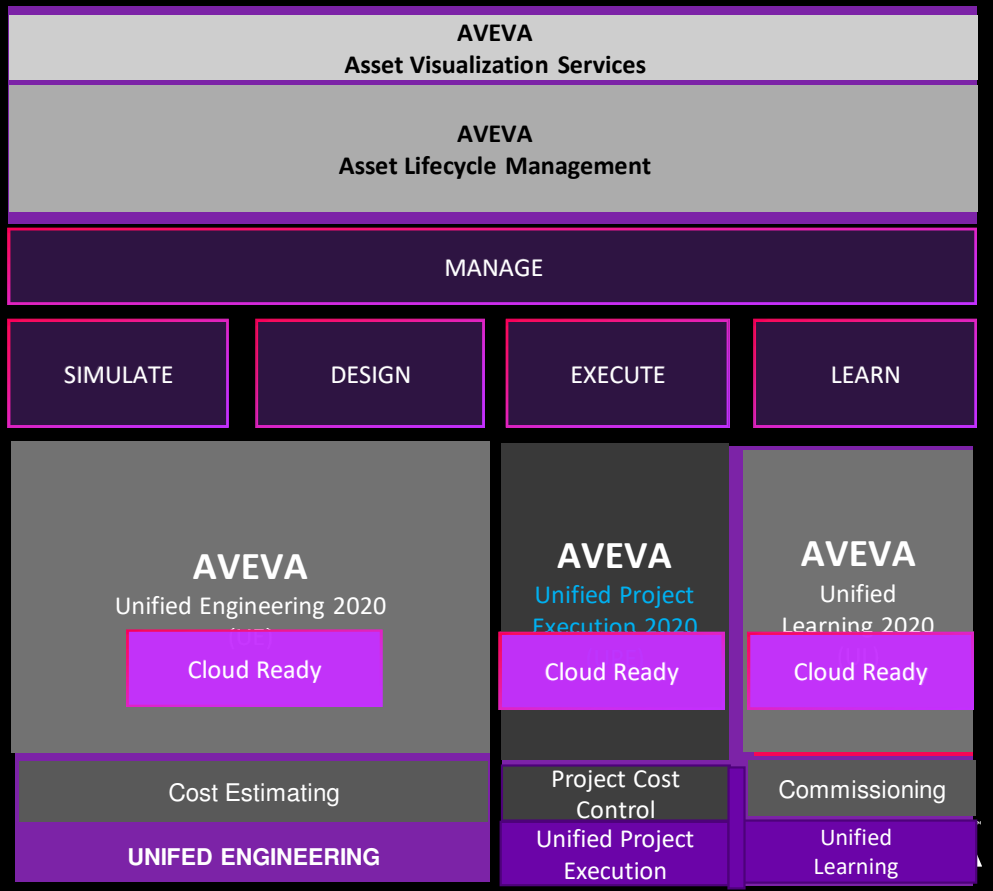


EPC

Win more and improve Margin by 50%

OWNER OPERATOR

Reduce Project Execution Risk and Total Installed Cost by 15%

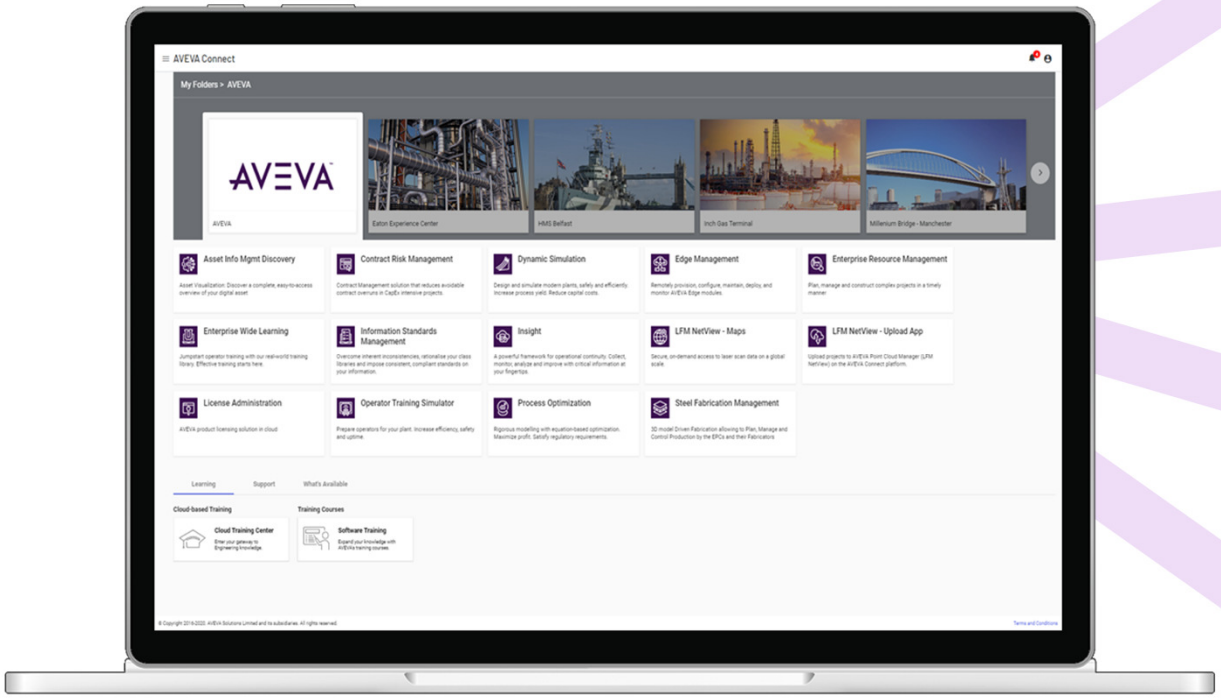


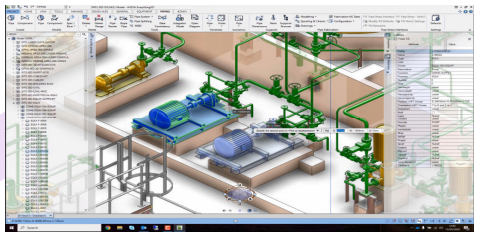
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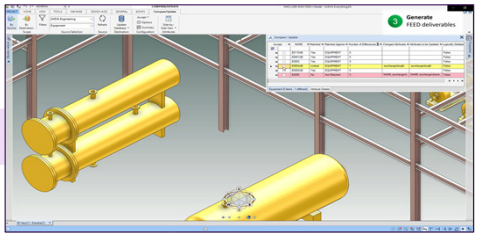
Unified Engineering and Unified Learning on AVEVA Connect

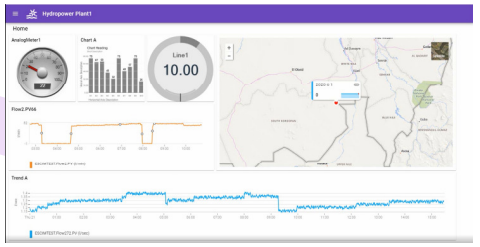
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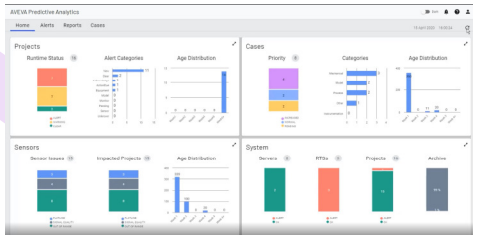
AVEVA Connect – Single Cloud Gateway









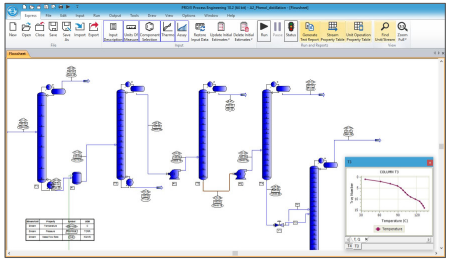


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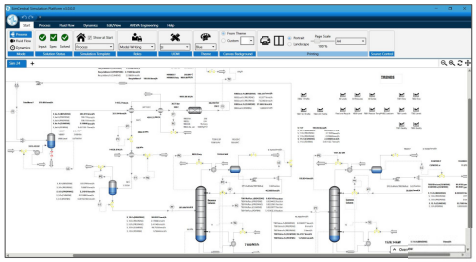
AVEVA Unified Engineering

Key Solutions available on AVEVA Connect

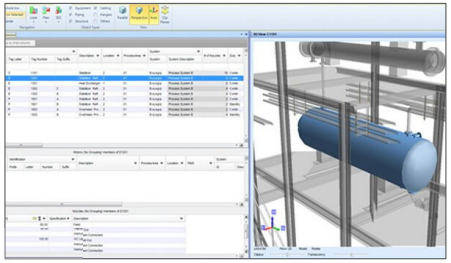
AVEVA PRO/II Process Engineering



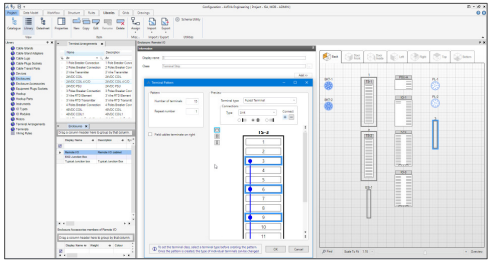
AVEVA Process Simulation



AVEVA Engineering



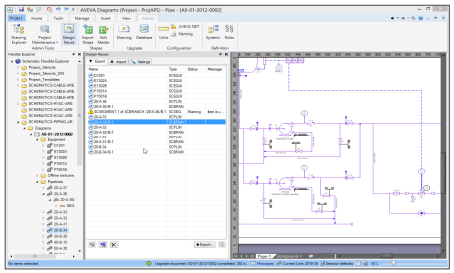
AVEVA Electrical and Instrumentation



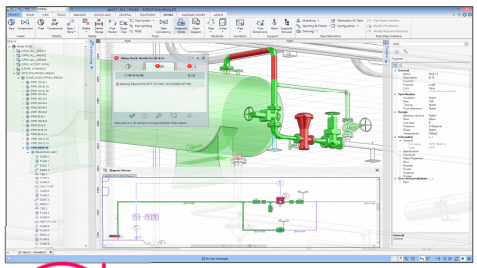
CONCEPTUAL DESIGN/PROCESS SIMULATION

FRONT END ENGINEERING DESIGN (FEED)

AVEVA P&ID



AVEVA Diagrams



AVEVA E3D Design



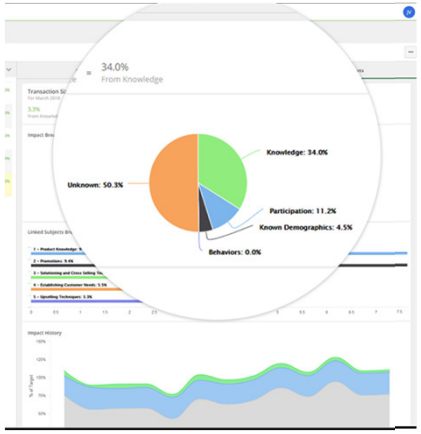
FEED cont'd

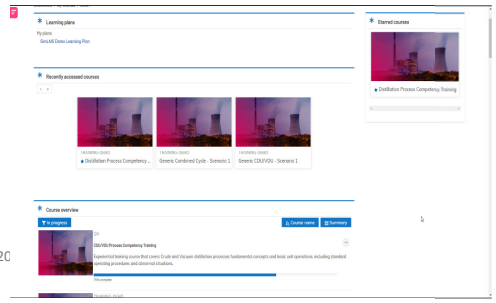
DETAILED DESIGN

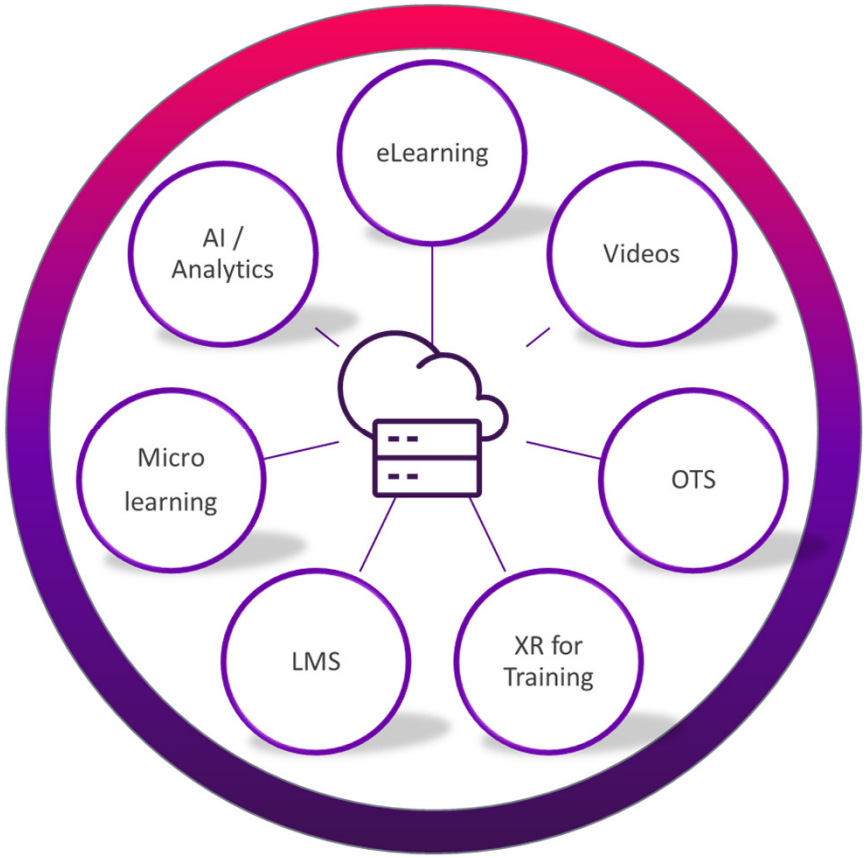
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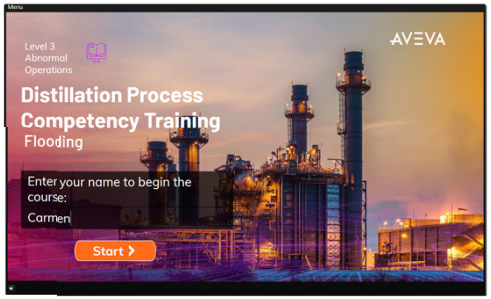
AVEVA Unified Learning

Provision of cloud-based scalable training while reducing Capex, training time and travel





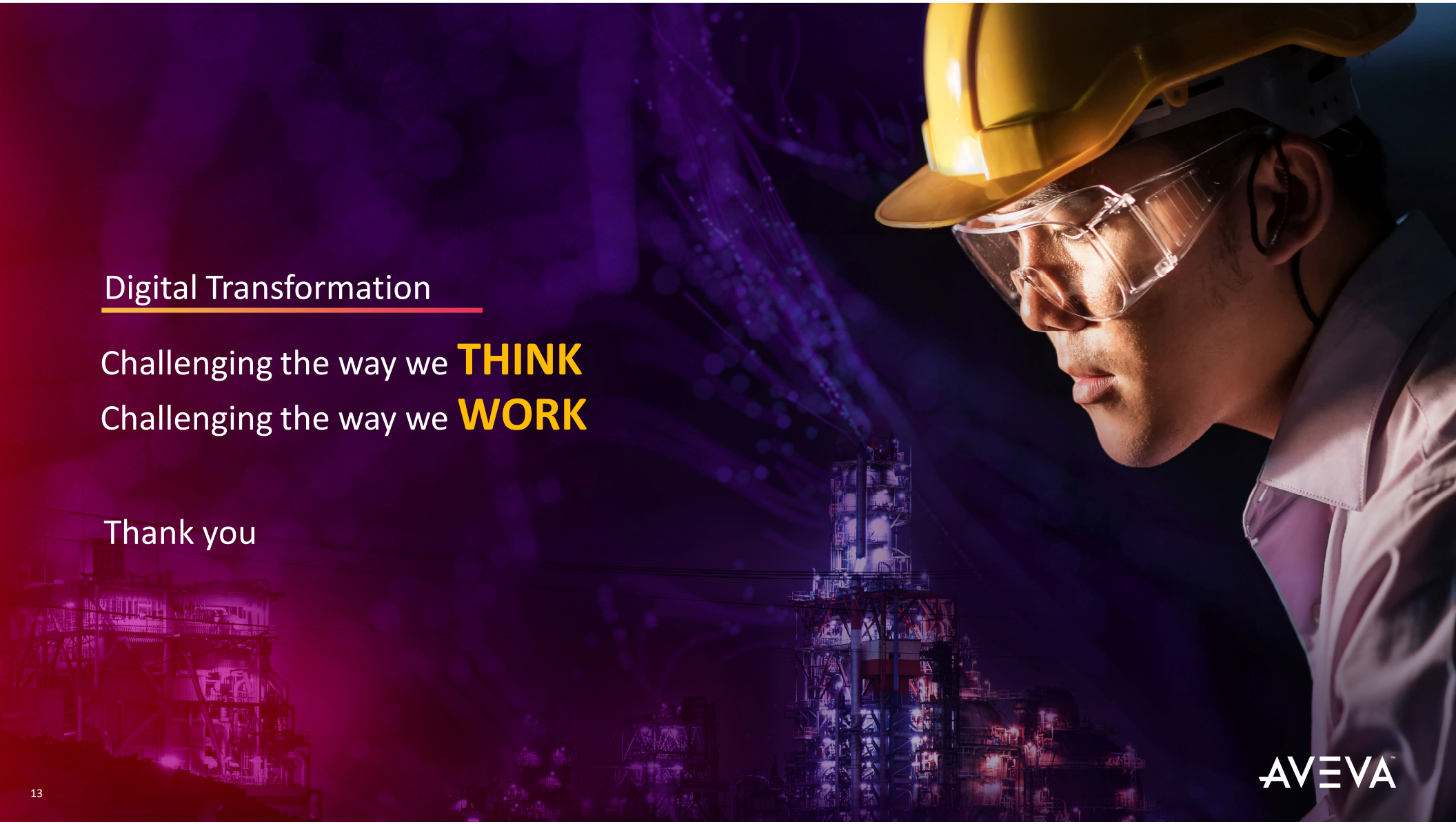


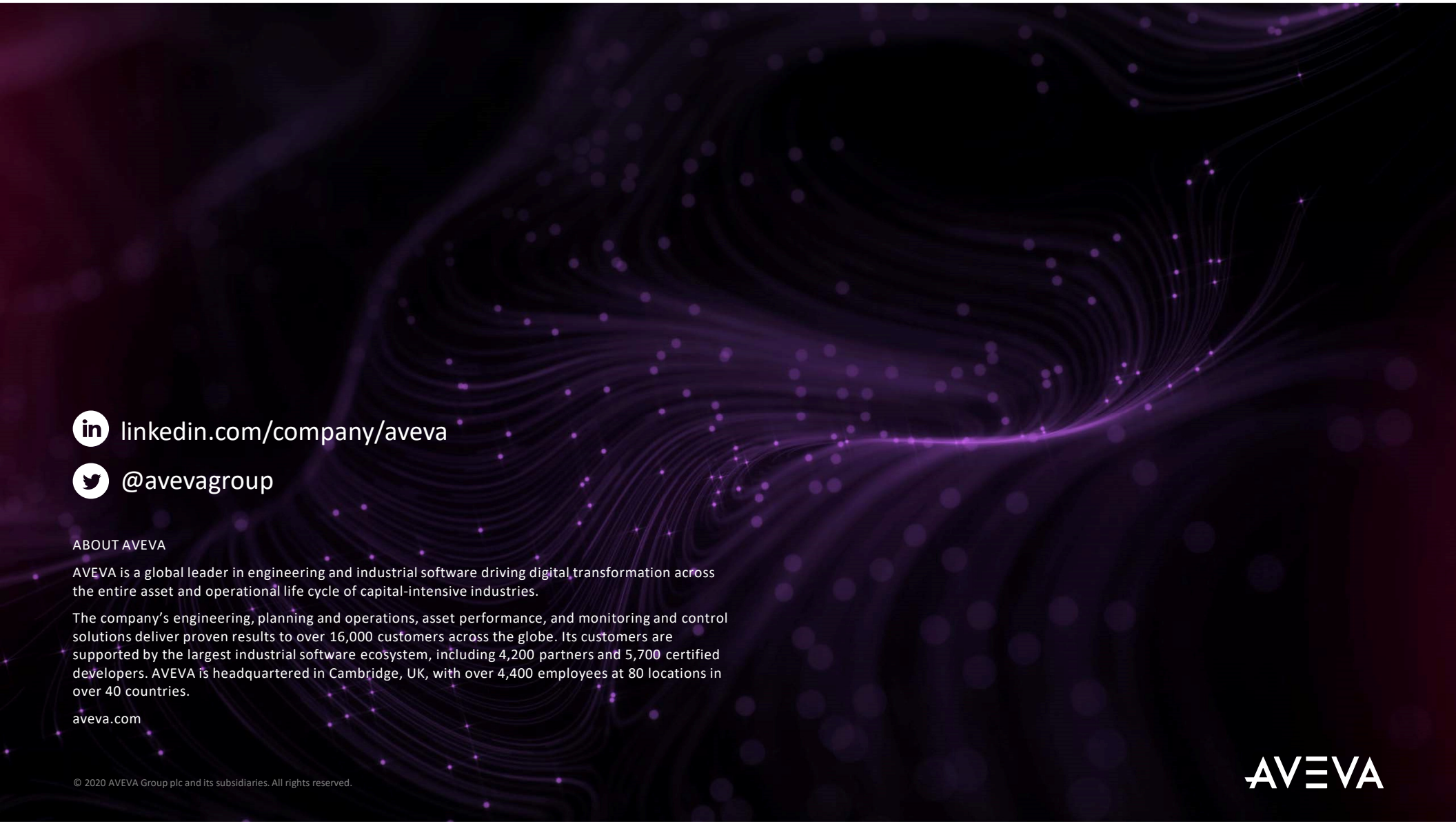






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Digital Transformation
Challenging the way we THINK
Challenging the way we WORK
Thank you
AVEVA



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ABOUT AVEVA

AVEVA is a global leader in engineering and industrial software driving digital transformation across the entire asset and operational life cycle of capital-intensive industries.

The company's engineering, planning and operations, asset performance, and monitoring and control solutions deliver proven results to over 16,000 customers across the globe. Its customers are supported by the largest industrial software ecosystem, including 4,200 partners and 5,700 certified developers. AVEVA is headquartered in Cambridge, UK, with over 4,400 employees at 80 locations in over 40 countries.

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