OCTOBER 24, 2023

Asset performance management (APM)

Roadmap & vision

Ryan Bradley

Topics

- Introduction to AVEVA APM portfolio
- CY23/24 release planning
- Market trends & challenges
- APM cloud platform vision

APM portfolio summary

Strategy

Asset strategy optimization	Enables a comprehensive view into current asset performance to identify improvement opportunities and perform analyses and simulation to determine the best maintenance strategies and visualize deployment effects
Asset library	Allows customers to curate, standardize, and utilize asset content for rapid implementation of consuming applications, with management of change version control, content analytics, and content customization

Analytics

Guided analytics (partnership)	Provides a simple introduction to model-based insights on asset performance issues. Designed to require little configuration or modeling knowledge to use it. It is ideal for customers looking to gain an understanding of predictive operations.
Advanced analytics	Enable our industrial data platform customers to increase the value of storing and using their data on AVEVA's platform. Advanced models can provide multiple feedback properties to support more sophisticated actions
Predictive analytics	Enables industrial companies to avoid costly unplanned downtime through AI-based predictive analytics at scale. Helps industrial users identify asset anomalies—weeks or months before failure
BI Gateway	Synthesizes data from across the plant, revealing relationships that would be all but invisible otherwise. It models big data into manageable chunks, so that industrial teams can track performance against the metrics that matter most – in time to make a difference

Execution

Mobile operator	Enables manufacturers and processors to achieve reliable, safe and profitable operations through consistent execution of best practices by the field workforce
Operational safety management	Enables asset operators to mitigate operational risk with increased productivity and exceptional visibility of tasks
Limble CMMS (partnership)	Computerized maintenance manager software designed by maintenance workers for maintenance workers. Provides critical task and asset information to the right worker at the right time
Ultimo EAM (partnership)	Enterprise asset management software for medium-sized to enterprise organizations. Gain better control over your assets, realize higher uptime, control costs and create a safe and healthy working environment

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AVEVA

CY23/24 release planning

CY23 H2

Strategy

Analytics

BI Gateway NextGen (microservices)

Execution

EAM 6.4.1

- Technical Updates for OS, SQL, .NET Framework

Operational Safety Management 11.3

- Customer enhancements

CY24 H1 releases

Strategy

Asset Strategy Optimization 9.2

- Architecture & sustainability

Analytics

AVEVA™ Predictive Analytics 2023

- Replacing eDNA with PI for APA Archive

AVEVA™ BI Gateway (continuous releases)

- REST API adapter & control flow enhancements

Execution

AVEVA™ Operational Safety Management Mobile 2.1

- Mobile enhancement & device management deployments

CY24 H2 releases

Strategy

AVEVA Asset Library

Analytics

AVEVA BI Gateway (continuous releases)

- NextGen (UI/UX)
- AVEVA™ Data Hub adapter

Execution

AVEVA Mobile Operator 2024

AVEVA Cloud Mobile Operator (Internal)

- Simple procedure designer / cloud sync service

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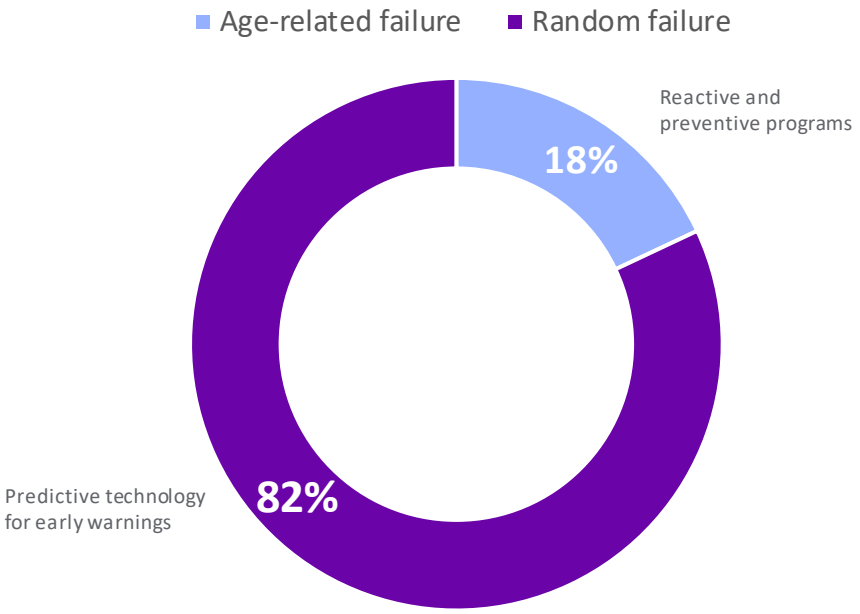
Optimize your assets / meet your objectives

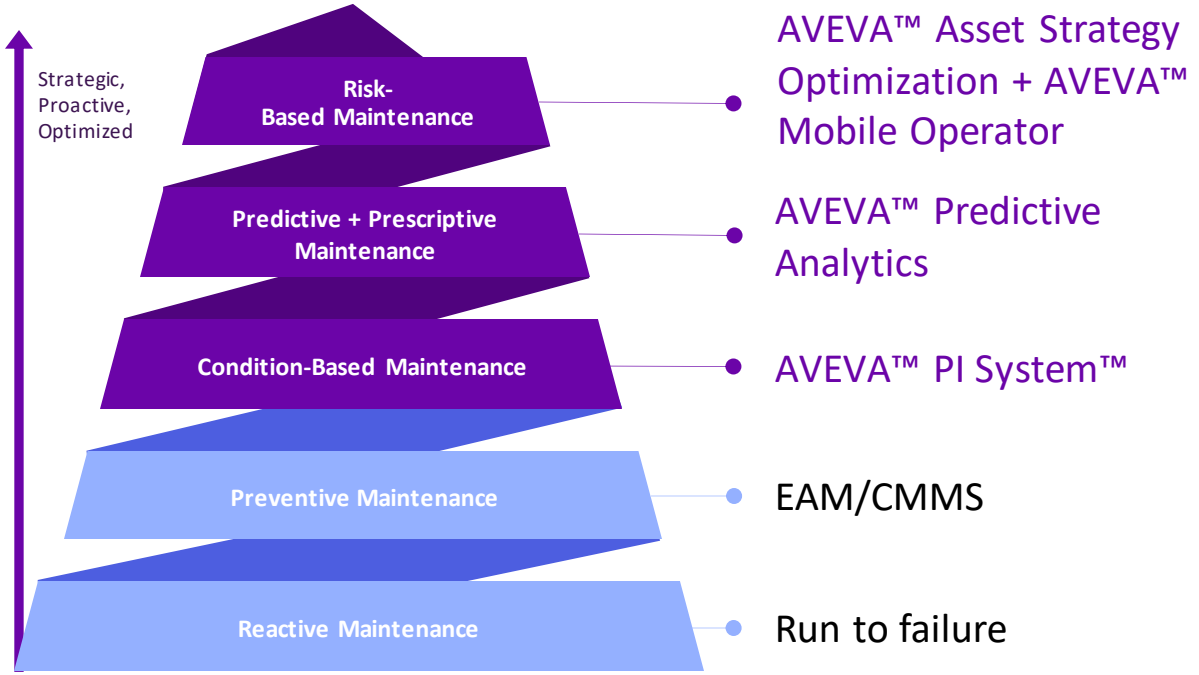
A journey in operational reliability

Failure patterns



▲ARC STUDIES SHOW ONLY 18% OF ASSET FAILURE IS AGE-RELATED. BASED ON THESE DATA, PREVENTIVE MAINTENANCE PROVIDES A BENEFIT FOR JUST 18 PERCENT OF ASSETS, AND MONITORING FOR PREDICTIVE MAINTENANCE IS A RECOMMENDED OPTION FOR THE REST. WWW.ARCWEB.COM/LISTS/POSTS/POST.ASPX?ID=260

It's a journey



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The **challenges** we work to solve

Business trends	New imperatives
Supply chain and service disruptions	Capital projects and supply-chain carbon efficiency and resilience
Commodity price fluctuations	Operational efficiency, optimized energy use and emissions minimization
Labor shortages and remote work	More efficient autonomous operations; connected and empowered workforce
Consumer desire for green alternatives	New materials, processes and facilities for circular economy
ESG regulations	Improve sustainability, reduce carbon intensity and emissions

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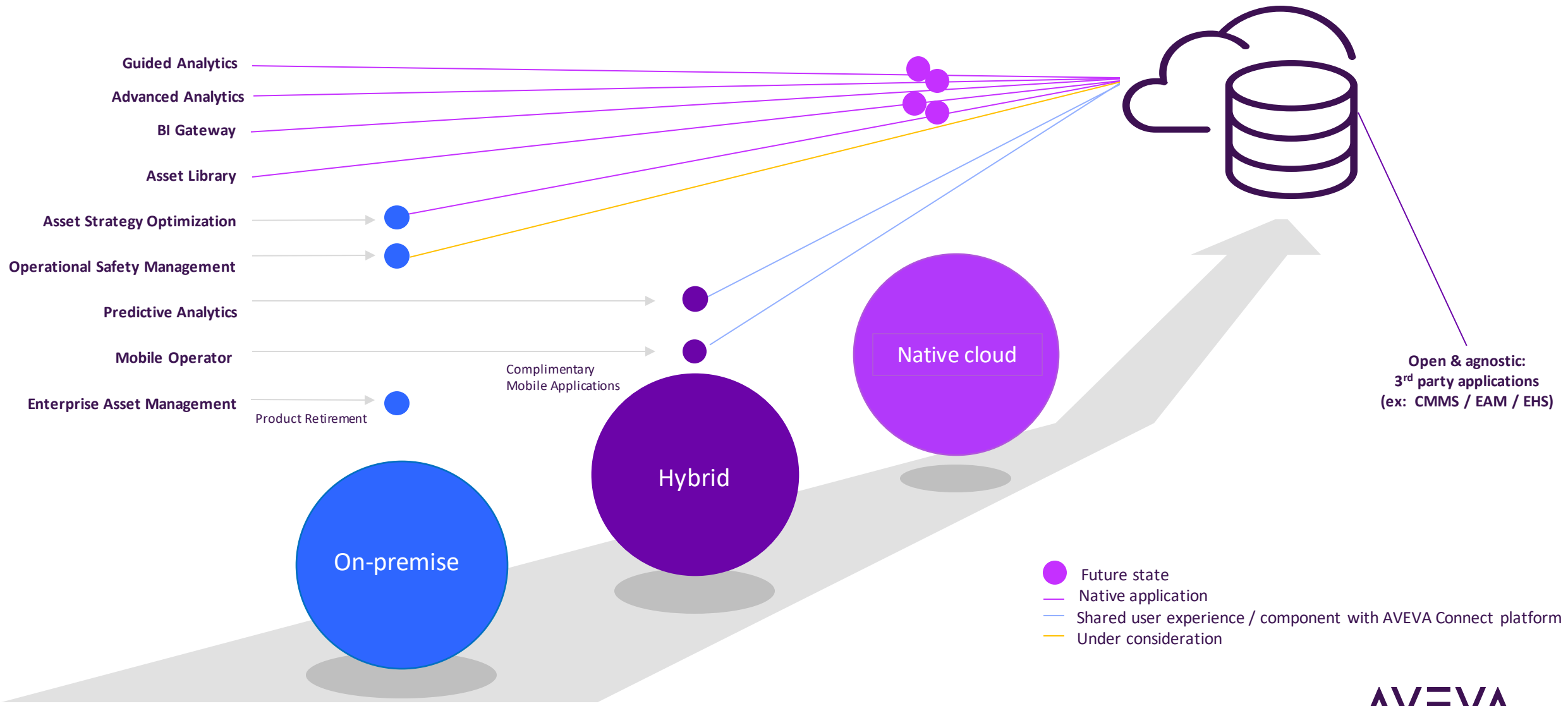
Transition to cloud



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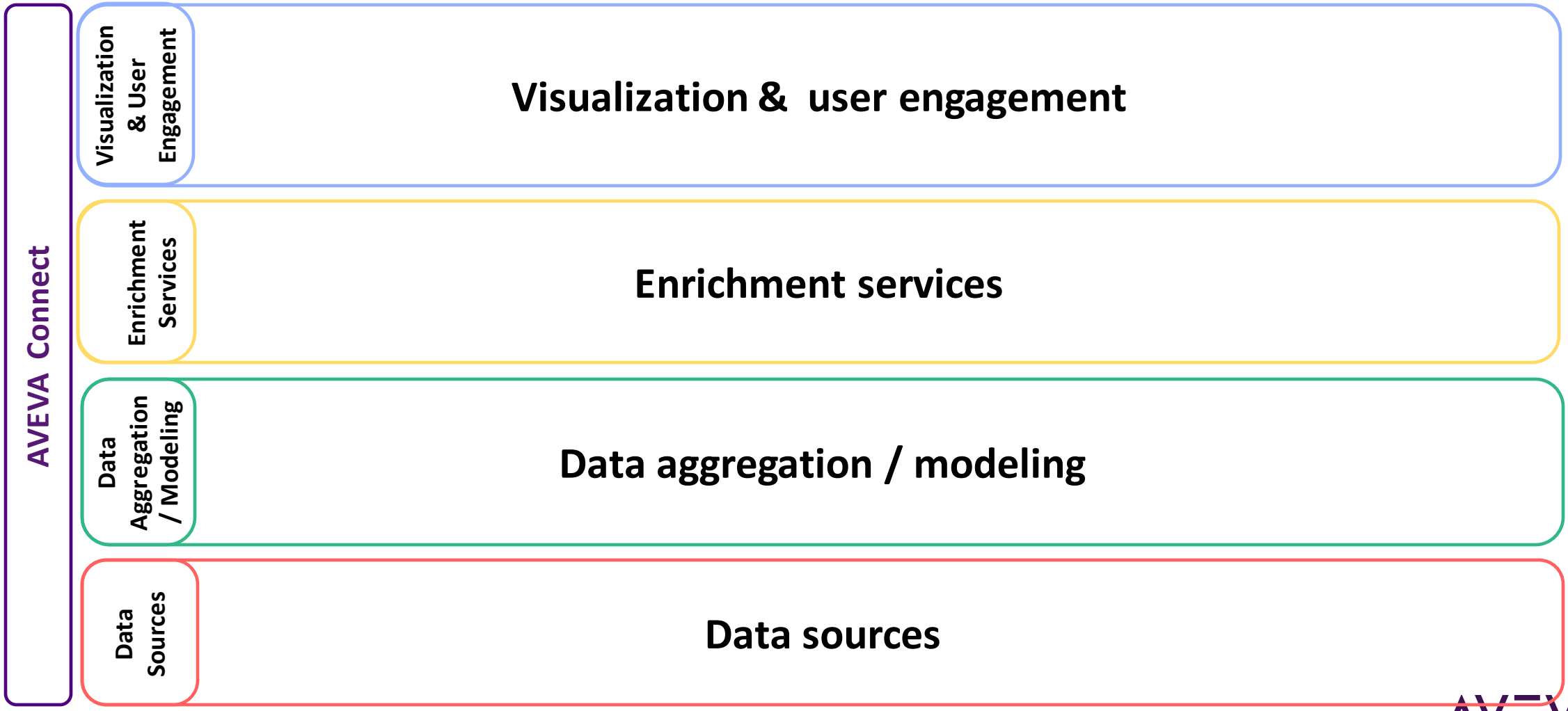
AVEVA Connect cloud platform



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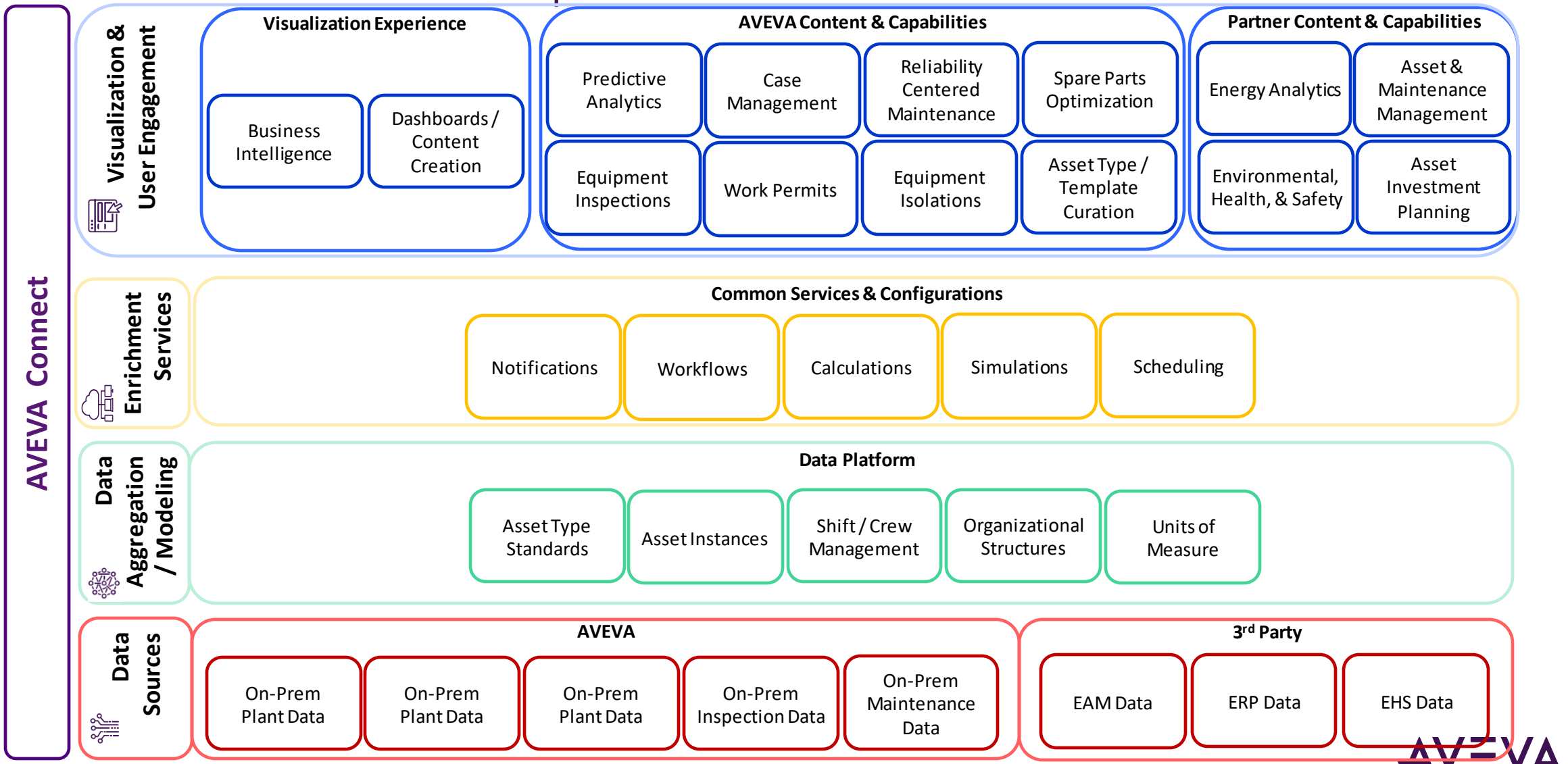
AVEVA Connect cloud platform



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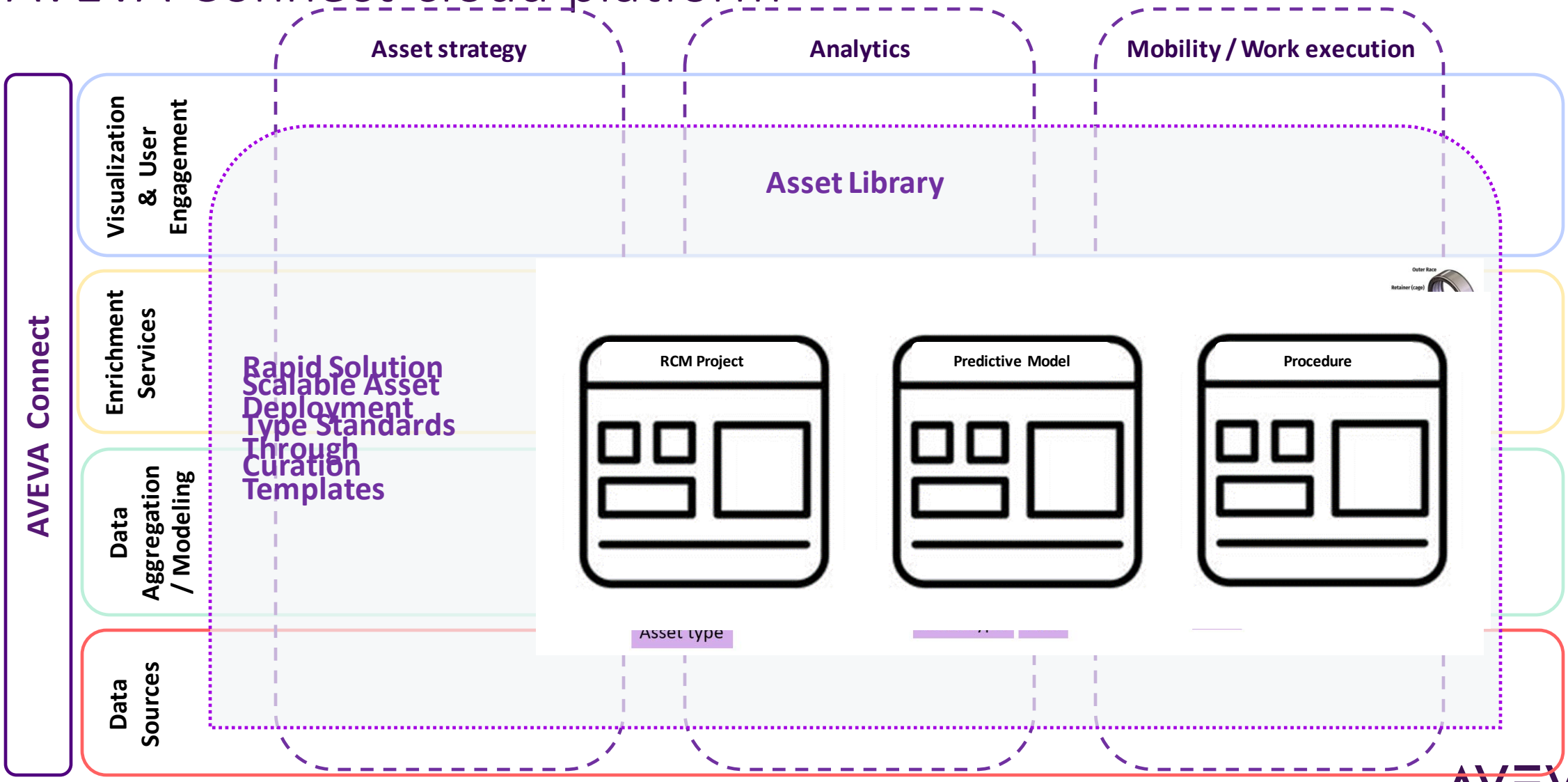
AVEVA Connect cloud platform



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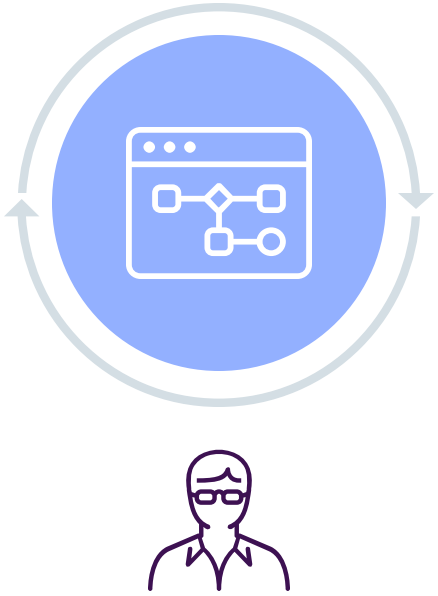
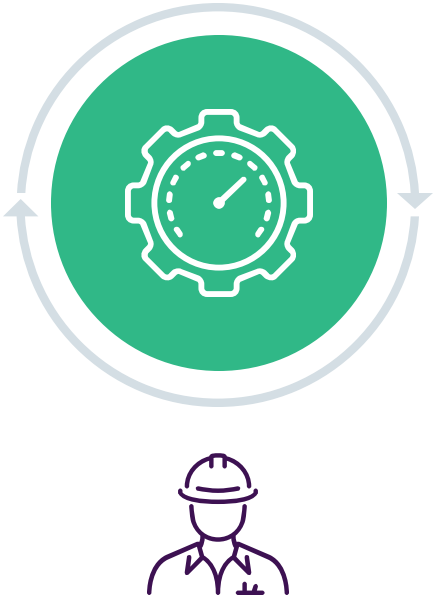
Transform the way your teams work

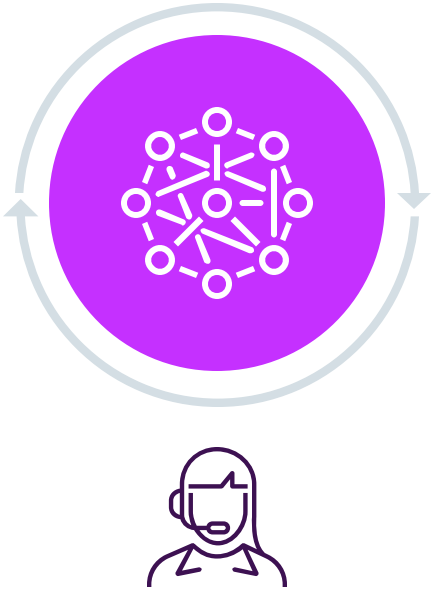
From siloed **functional islands**



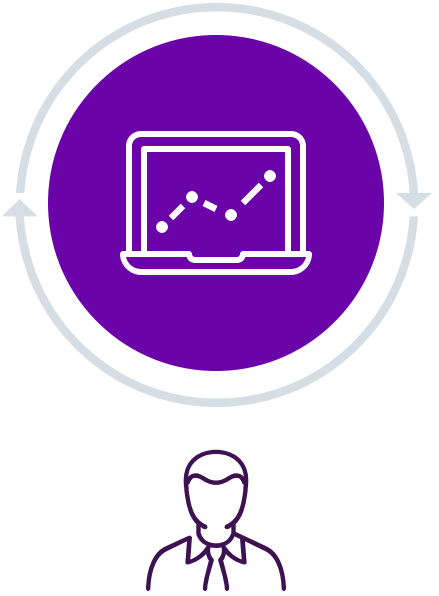
Engineering



Operations



Maintenance



C-Suite

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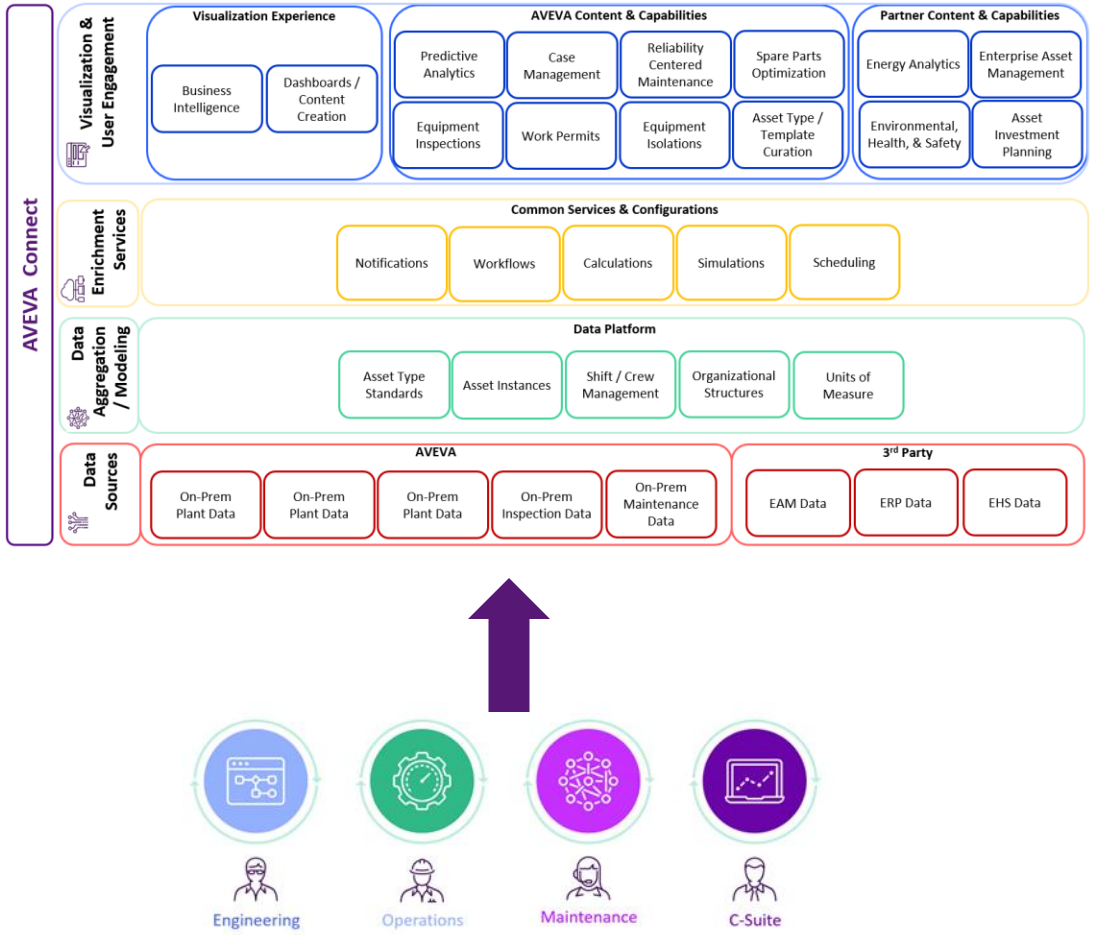
Transform the way your teams work

To enterprise cloud collaboration



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APM vision & roadmap

Summary / takeaways

- Investing over the next 3+ years to transition the APM suite of solutions to a modern, hybrid and/or native cloud architecture
- Maintain value for current customer base as solutions evolve from on-prem to cloud
- Publish APM data into the AVEVA industrial cloud platform
- Apply central, templatized deployment for APM solutions through asset libraries
- Provide robust, configurable reporting and intelligence capabilities based on AVEVA visualization services
- Expand the context of APM data combined with process data, asset information and engineering data

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Opportunities for additional information

Day	Time	Track	Presenter	Title
1	3:50PM	Ecosystem	AVEVA	Get more out of your data with Advanced Analytics
2	8:00AM	AdvApps	Petronas	Predictive Rotating Equipment Analytics (PROTEAN) X AVEVA Predictive Analytics
2	8:00AM	Process	International Paper	Our equipment health journey - connecting the PI System to AVEVA Predictive Analytics
2	8:40AM	AdvApps	HF Sinclair	Simplifying safety equipment inspection and maintenance with AVEVA Mobile Operator
2	11:40AM	AdvApps	Total Energies	Predictive Analytics from O&G to Renewables
2	2:10PM	Power	AVEVA	AVEVA Mobile Operator for Power Utilities and PI Manual Logger Users
2	4:30PM	AI	Asarco	Leveraging AVEVA PI Server data for Predictive Analytics
3	2:50PM	AI	Suez	AVEVA Predictive Analytics in the Energy from Waste Industry

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Questions?

Please wait for the microphone.

State your name and company.

Please remember to…

Navigate to this session in the mobile app to complete the survey.

Thank you!

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