AVEVAWORLD

.

.

· · · · · ·

A A A A A

AVEVAWORLD

APRIL 9, 2025

Operations on-ramp to Al and advanced industrial analytics

Ilaria Michelizzi | Southern Europe Presales Manager

Alex Jenkins | Senior Al Solutions Engineer



.



Alex Jenkins

Senior Al Solutions Engineer

AVEVA

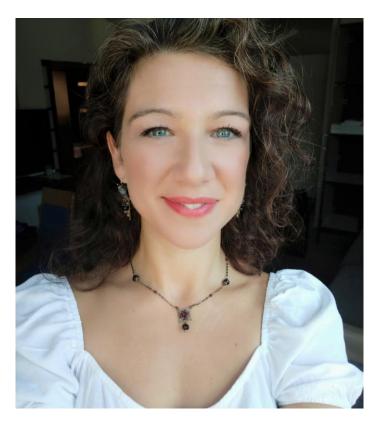
Alex.Jenkins@aveva.com



Ilaria Michelizzi

Southern EU Presales Manager AVEVA

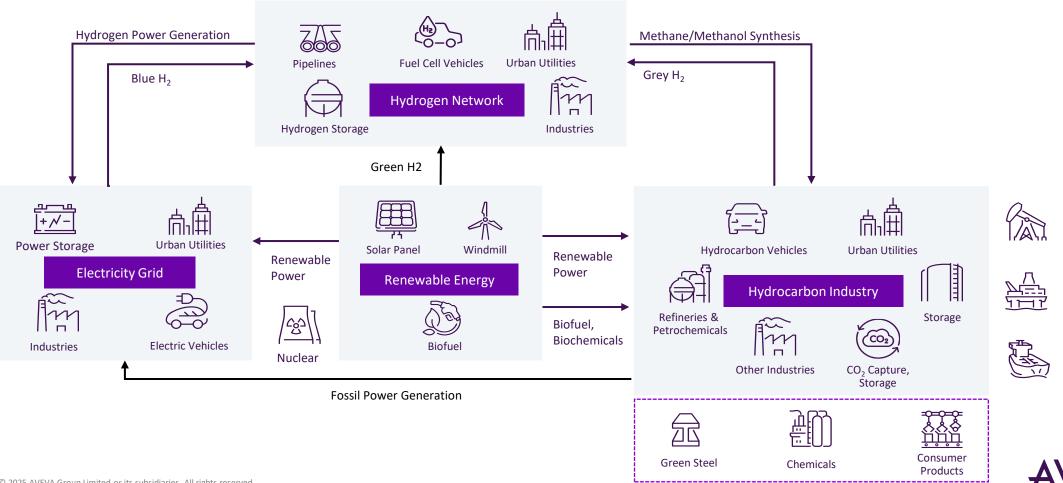
Ilaria.Michelizzi@AVEVA.com



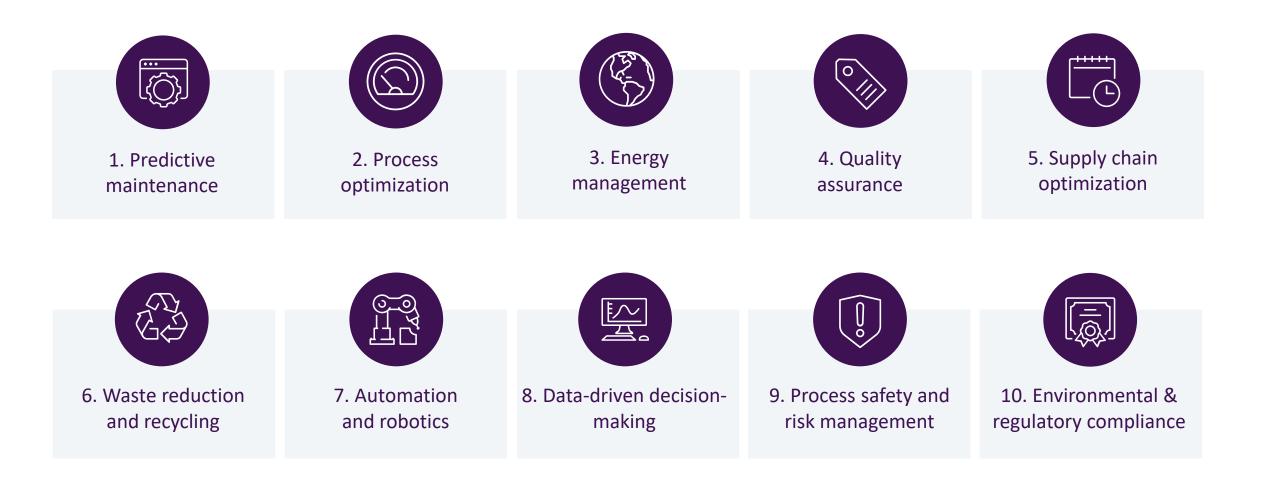


The industrial landscape is reshaping

Fewer than 10% of enterprises are advanced in their insights-driven capabilities. Forrester

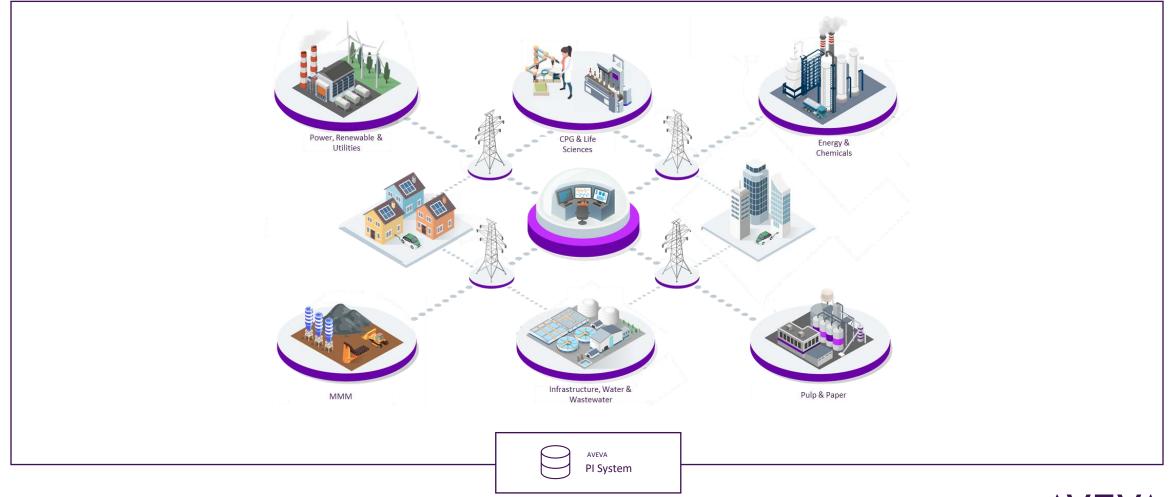


... in this context, what can AI do for me?



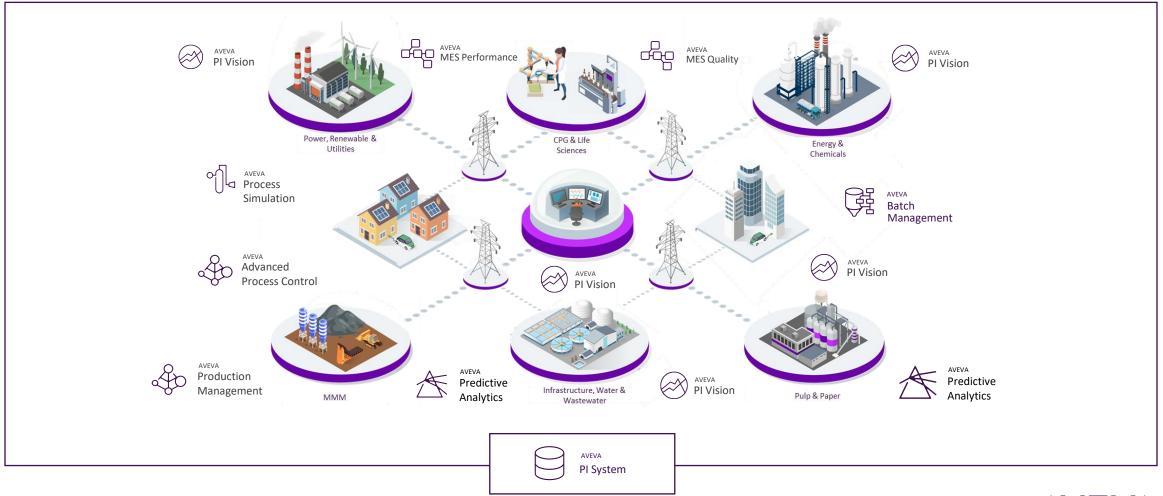
AVEVA

... AVEVA PI System is the foundation for cutting-edge data intelligence...

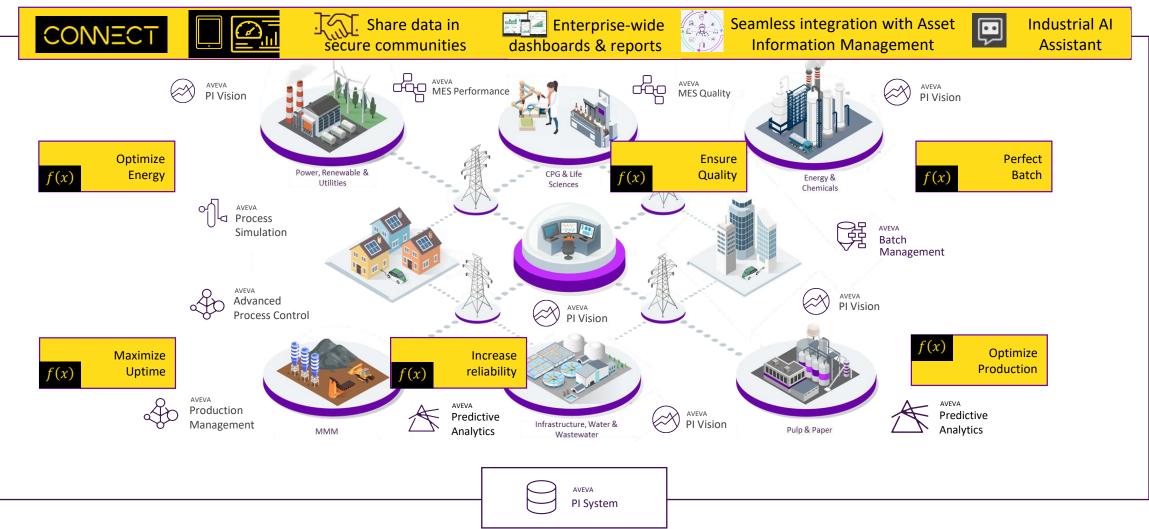


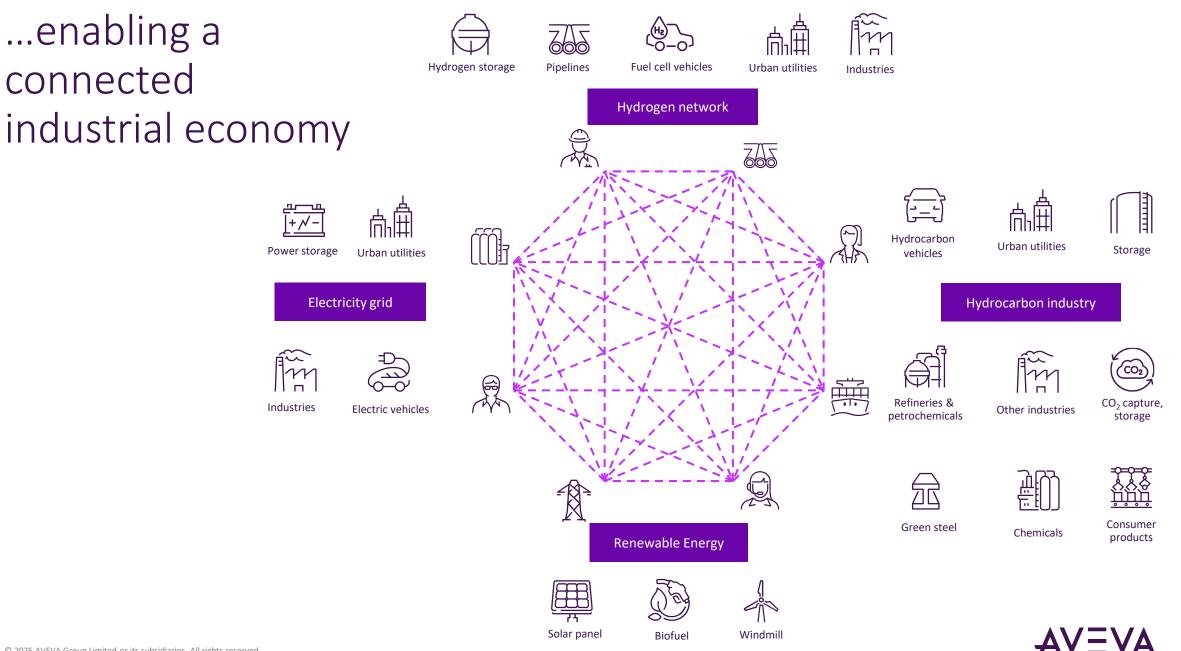
AVEVA

...to unlock additional value from new use cases...



...and accelerate the power of AI on a seamless experience...

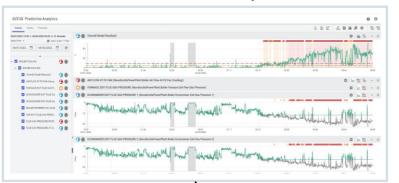




Asset-specific solutions driven by industrial information

Leverage AVEVA PI System to accelerate AI outcomes

AVEVA Predictive Analytics



Integration with 3rd-party solutions like Apollo Energy Analytics

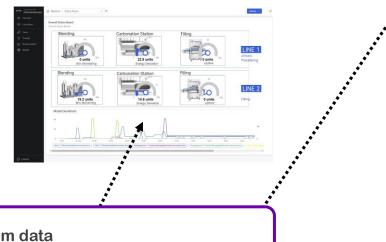


CONNECT including Industrial AI Assistant

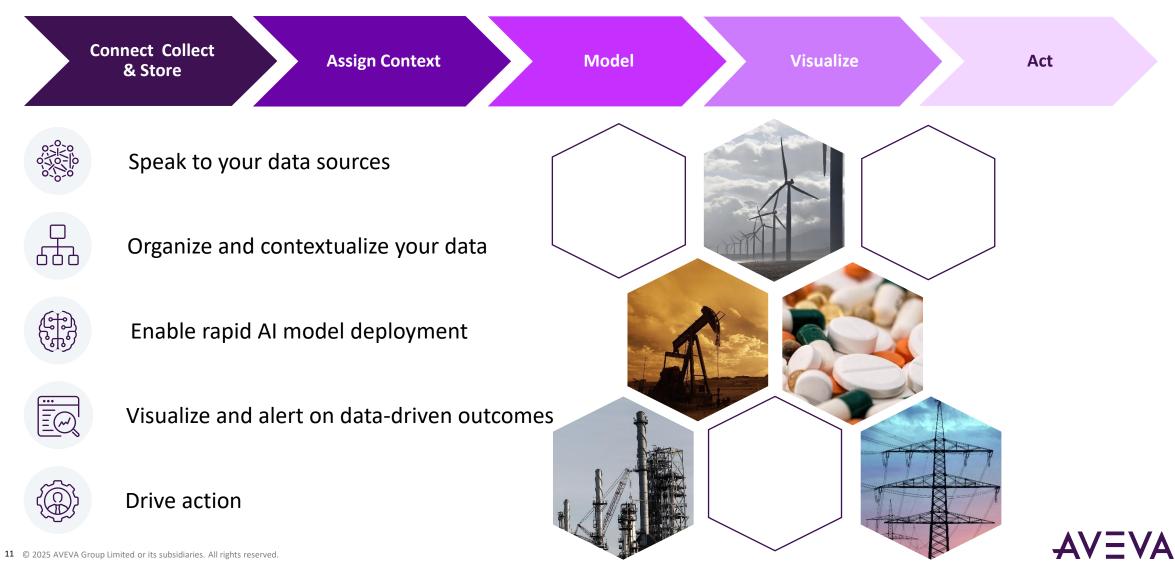


AVEVA PI Vision dashboards for real-time operations AVEVA Advanced Analytics on CONNECT platform

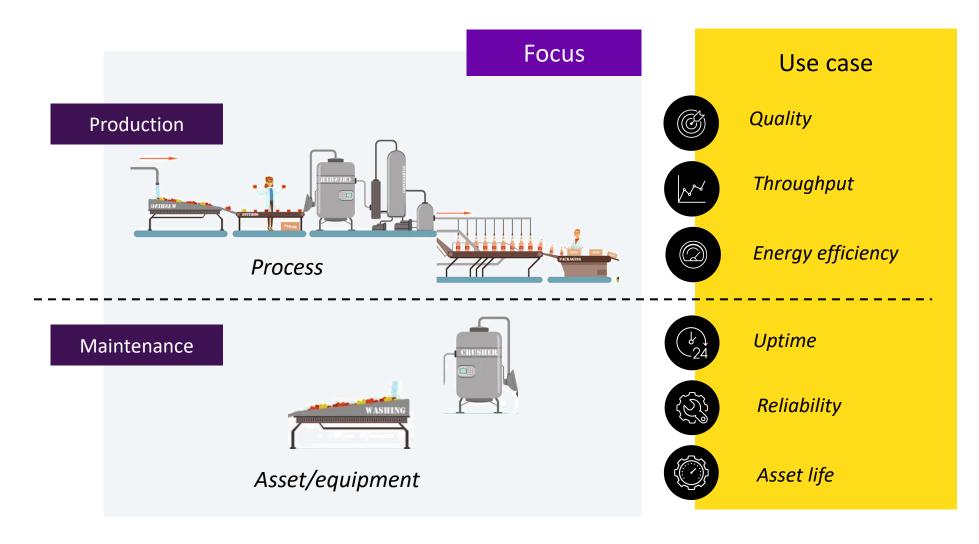




... AVEVA PI System is the operations on-ramp to Industrial Analytics...



AVEVA's AI solutions bring improvements across the enterprise













What were the signs this might happen?

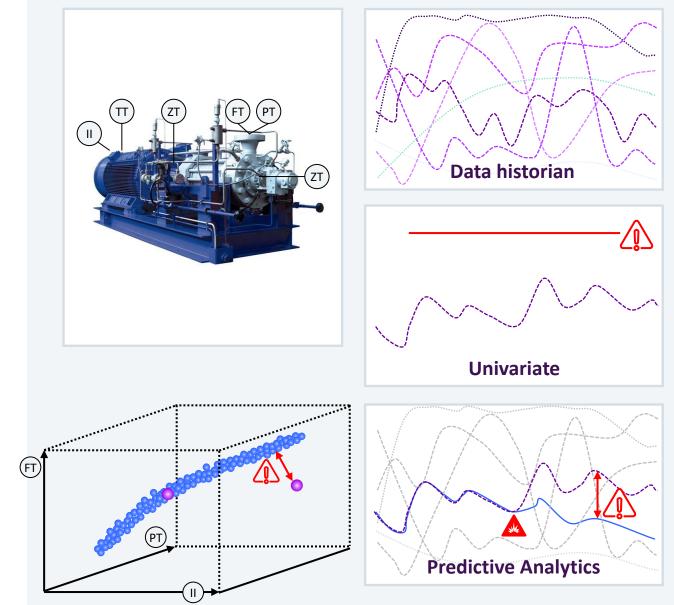
How much will it cost your organization?

Take action before the next failure.

Solution: Al-driven analytics and risk mitigation Predictive failure detection for business-critical equipment

- No code AI and machine learning
- Advanced alert and case management for knowledge capture and reporting
- Templates accelerate configuration, deployment and scale-up

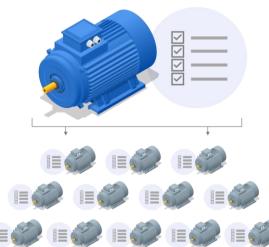
It's the way you operationalize and scale AI for industrial operations





Deep integration to AVEVA PI System for contextualized insights





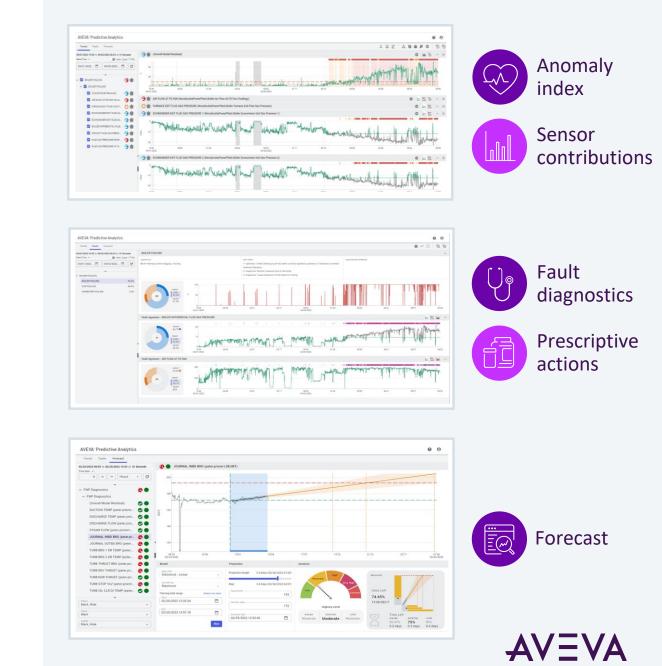
- Native AVEVA PI Server integration
 - PI Data Archive & PI Asset Framework
- Bulk model building
- Contextualised through AVEVA PI Vision

Δν=νδ

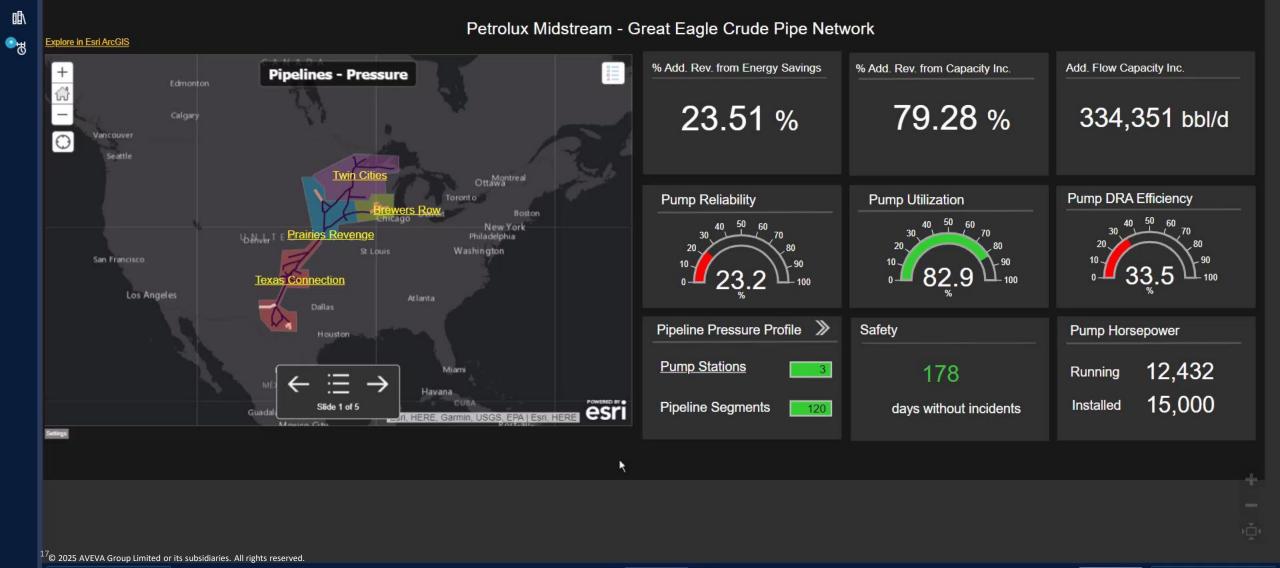
Solution: Al-driven analytics and risk mitigation

- Monitor health in real time early identification of anomalies via anomaly index and drill-down to contributing signals
- Rank and diagnose faults based on anomaly deviation signature
- Obtain prescriptive guidance for remediation
- Forecast and track burndown of time until failure





An P. AVEVA[™] PI Vision[™] New Display Θ LIQPIPE - Home



1d

6/28/2023 11:24:35 AM

U

A

G

+-×=

PI Vision - LIQPIPE - Home

× +

Now

Ð

•••

3

0

દ≞

G

3

V

a

PRISM-VM\BrittanyP

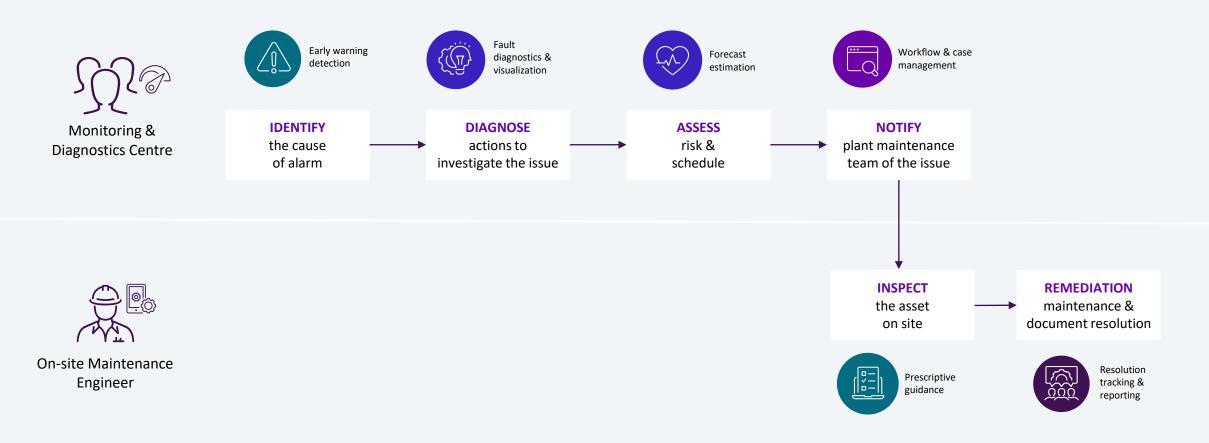
圓

 \times (6)

?

Demonstration:

Al guided predictive maintenance with Pl System and Predictive Analytics





What happens upon asset performance/reliability deviation?

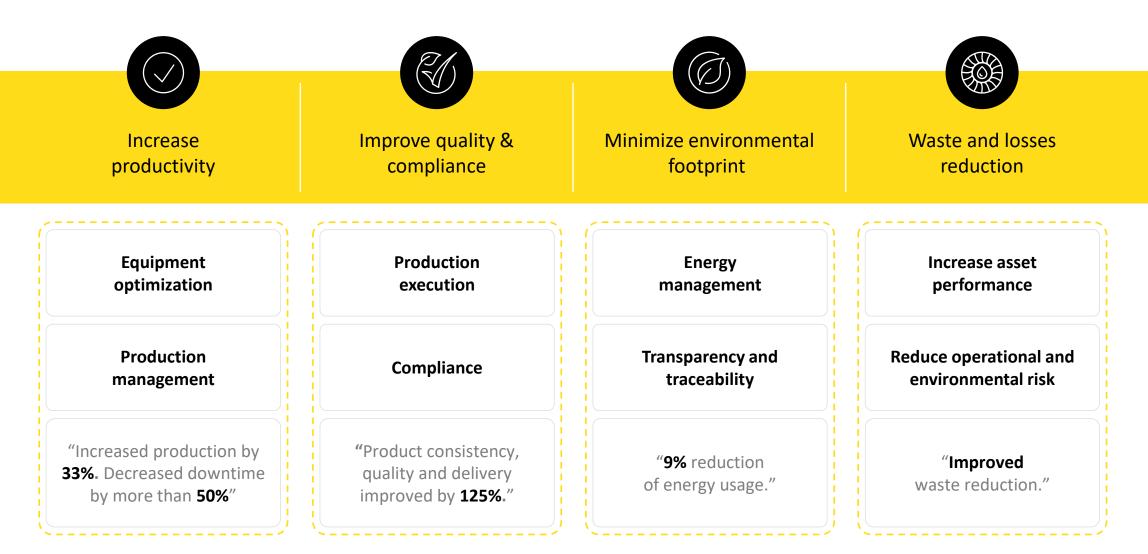
Soft drink production process



Information must be delivered faster

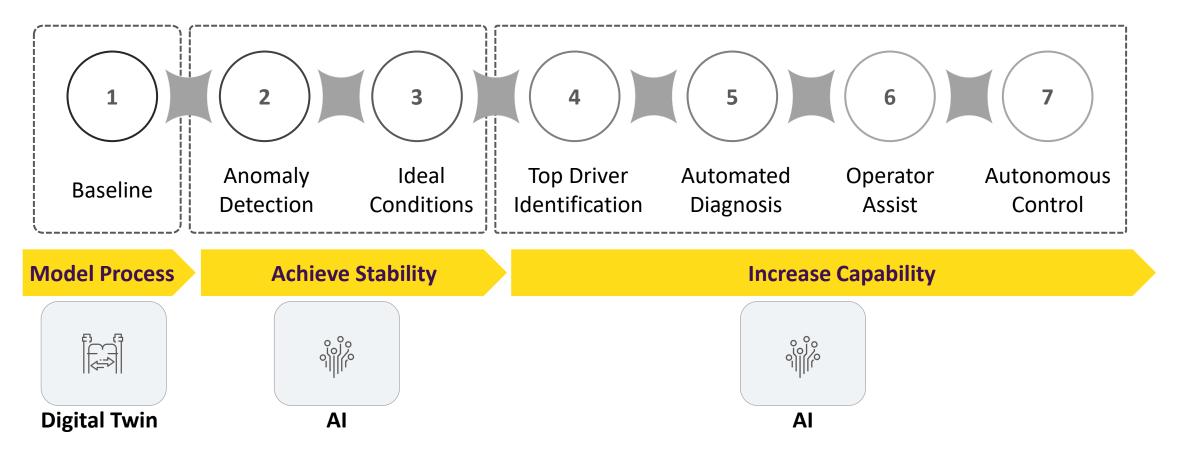


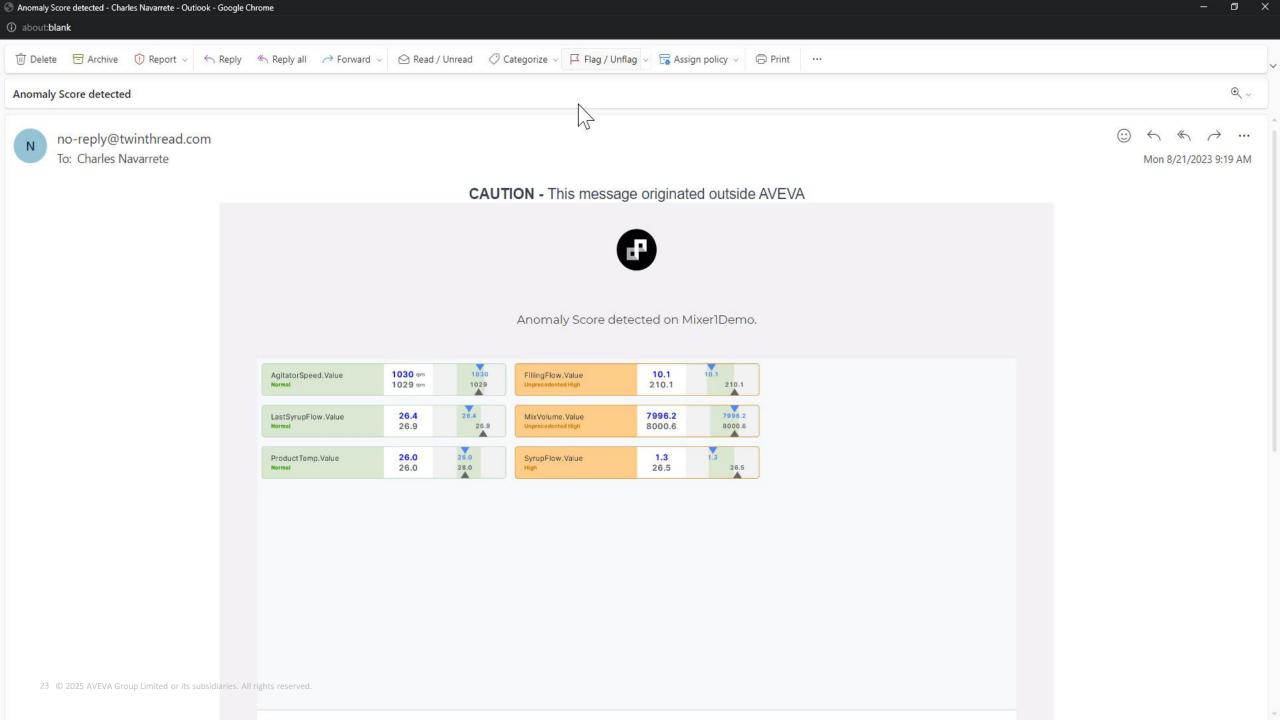
Al-enabled optimizations for faster and smarter decisions



Digital Twin + AI transform your supply chain

The journey towards autonomous operations

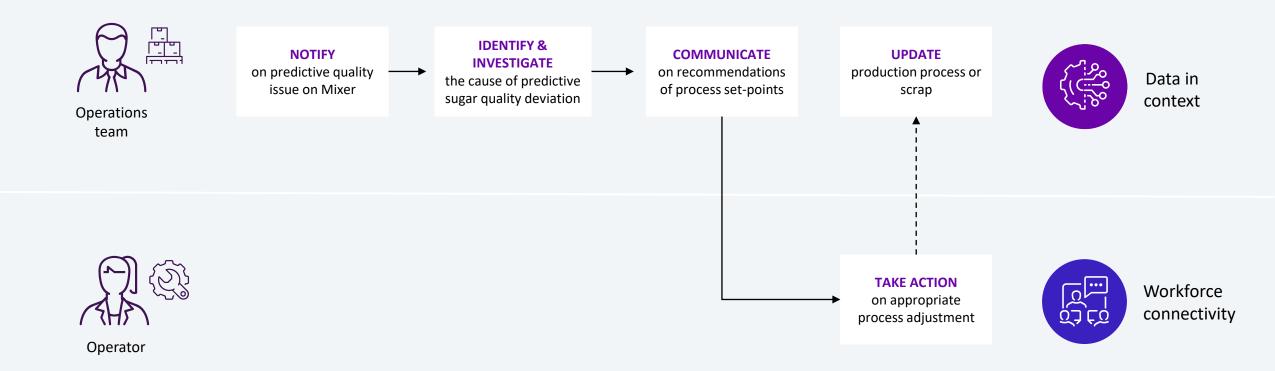






Demonstration:

Al driven predictive quality monitoring with Advanced Analytics



Customer achievement with AVEVA analytics

Typical deployments enjoy 10x ROI on subscription investment

12% Improvement in line performance 100% First-pass quality 30% Reduction in maintenance costs

4% Reduction in energy costs 90% Reduction in hardware, development, and

consulting costs

Reduction in in unplanned downtime

25%



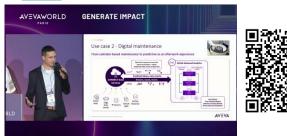
Is it only my challenge? Absolutely not. It is a journey.





2024 - AVEVA World - Paris ACCIONA: The great collaboration





2024 - AVEVA World - Paris CONNECT data services for a data analytics platform at F. Hoffmann-La Roche

© 2025 AVEVA Group plc and its subsidiaries. All rights reserved.

ASARCO



2023 - AVEVA World San Francisco ASARCO: Digital transformation at Ray Mine using AVEVA PI System and AVEVA Predictive Analytics

📥 Southern Company



2022 - AVEVA World San Francisco <u>Renewables monitoring</u> with the PI System and Predictive Analytics at Southern Company

SCG





2022 - AVEVA PI World Amsterdam - Chemicals How SCG Chemicals Digital Reliability Platform harnesses AI-infused APM to prevent unplanned downtime





AVEVA

2022 - AVEVA World San Francisco - Industrial AI PETRONAS Carigali Iraq & PETRONAS PROTEAN: Enabling digital transformation for operational excellence



Conclusions

"Operationalizing artificial intelligence at scale is the difference between success and failure."

Start small and think big



Keep in mind your final goal and vision

Preparing your data for accelerating successful scale deployment starts with how you handle them.

Start digital transformation with your **future** in mind.

Prioritize PI system use cases for quick ROI



Drive quick time to value

for equipment & processes having easy to understand patterns through CBM, OEE and KPIs visibility

Leverage calculations easy to configure and deploy at scale to start reducing operational & maintenance expenditure Industrial analytics accelerate reliability and sustainability



Artificial intelligence

is not just a trend for technology's sake, it can help you solve complex problems that are not easy to identify by knowing behaviours.

Keep in mind: easy to use tools are those your experts will adopt

Your data can drive efficient and agile work



Close the asset strategy loop

An optimized asset strategy enhanced by AI intelligence should also be actionable.

Connecting your data to proven remediations will empower efficient and agile connected workers with insightful information

Questions?

Please wait for the microphone. State your name and company.

Thank you!



Please remember to...

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





Ilaria Michelizzi

Southern EU Presales Manager

AVEVA Ilaria.Michelizzi@AVEVA.com

Alex Jenkins

Senior AI Solutions Engineer

AVEVA

Alex.Jenkins@AVEVA.com







This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.

/

.

a a a a a a

a a sa sa ar ar a

AVEVA

30 © 2025 AVEVA Group Limited or its subsidiaries. All rights reserved.

.



.

.

and the second second

.

in linkedin.com/company/aveva

@avevagroup

ABOUT AVEVA

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at <u>www.aveva.com</u>

31 © 2025 AVEVA Group Limited or its subsidiaries. All rights reserved.



.

e e le e e e

