



AVEVA WORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Deploy and scale predictive maintenance faster with asset-based AI and reusable model templates

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**Asset
failures**

82%

of asset failures are
not Time Based



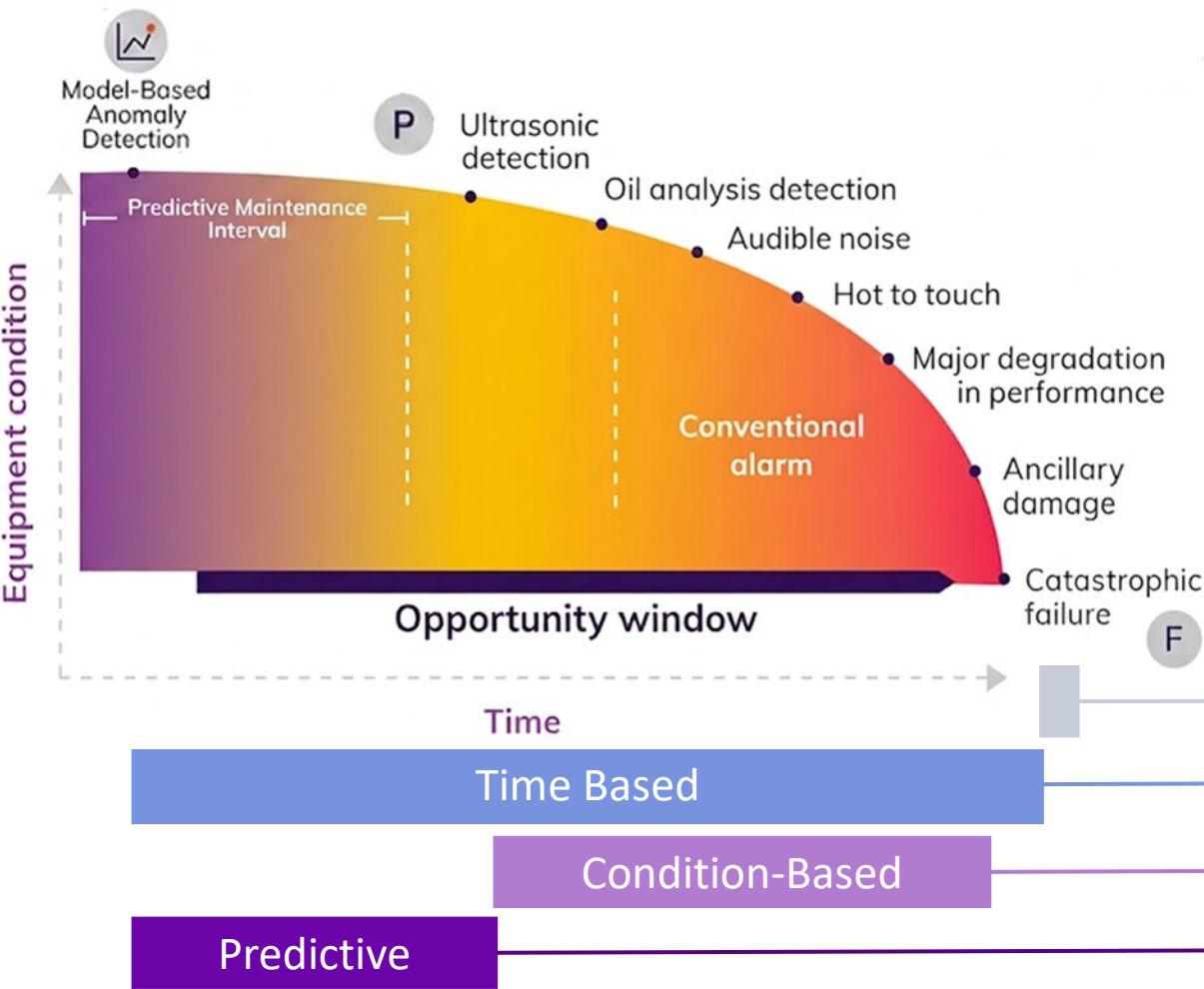
**Unscheduled
downtime
avoidance**

\$260K

Average cost of
industrial asset
downtime/hour²

From Time-Based to Predictive Maintenance

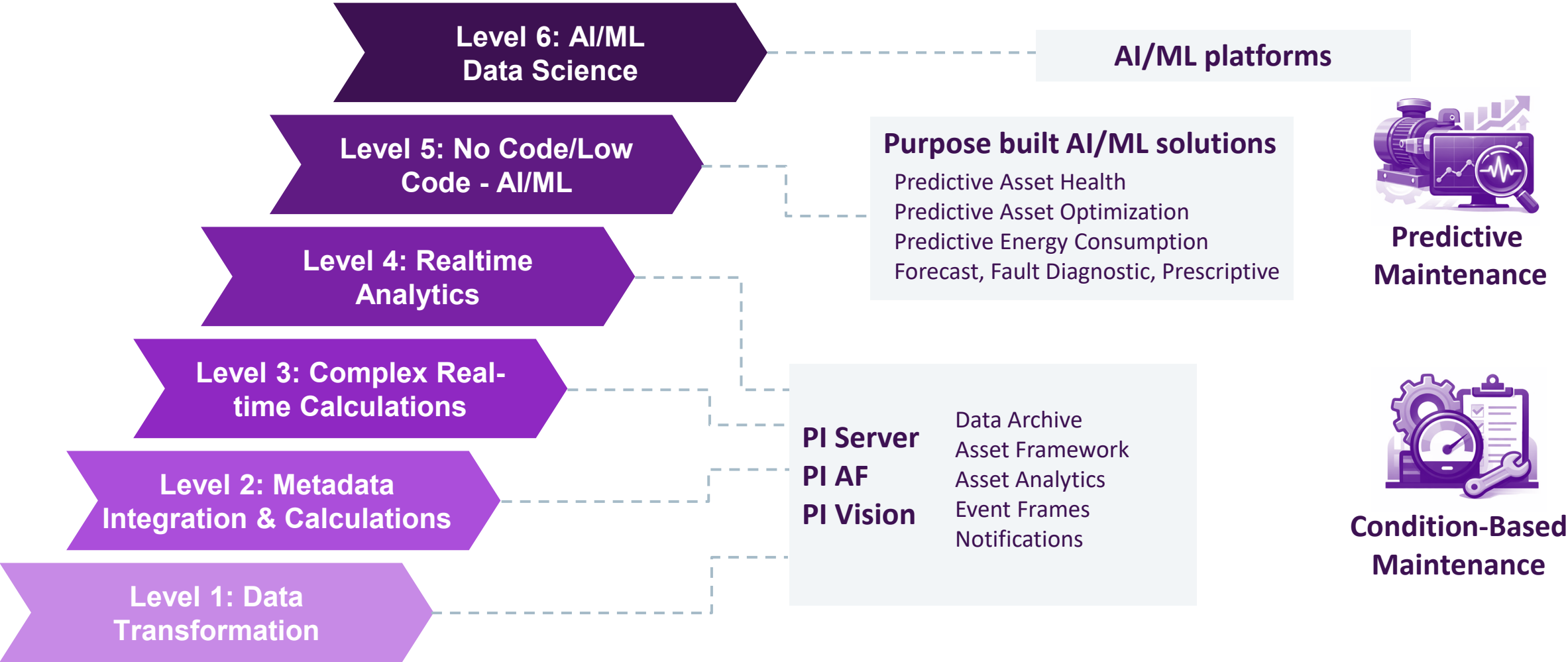
Acting early on the PF curve



The right maintenance
for the right asset!



Analytics to support your Maintenance Programs



AVEVA Predictive Analytics

Early failure detection for critical equipment

- Realtime Industrial Predictive Analytics Technology
- No code AI and machine learning
- Designed for Reliability Engineers
- 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



Best-in-class anomaly analysis

Which sensors are contributing to the anomaly?



An anomaly was detected.
What are the next steps?



Anomaly
index



Sensor
contributions

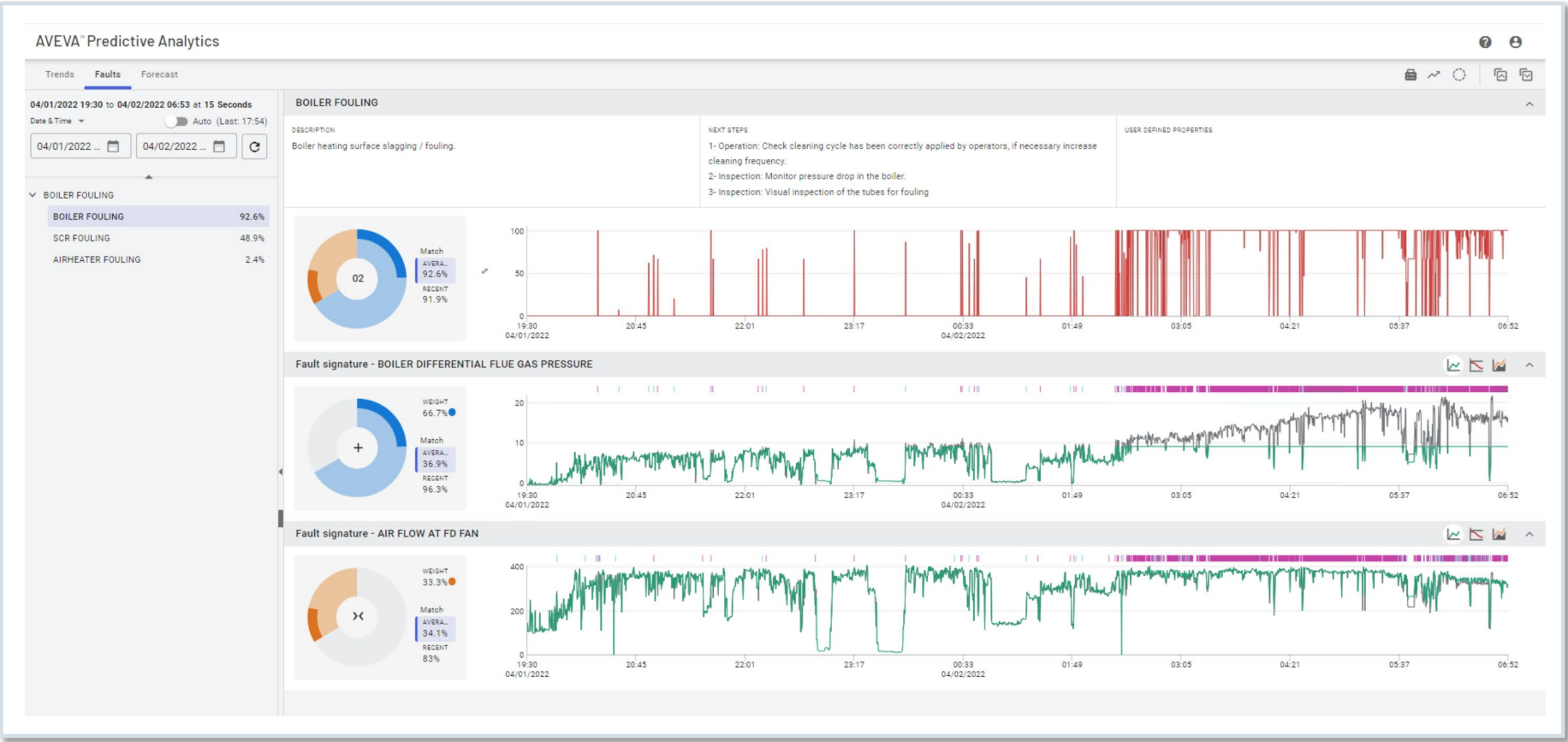


Best-in-class anomaly analysis

What are the potential faults and related inspections?



An anomaly was detected.
What are the next steps?



Anomaly index



Sensor contributions



Fault diagnostics



Prescriptive actions

Best-in-class anomaly analysis

What is the urgency level before breakpoint?



An anomaly was detected.
What are the next steps?



Anomaly index



Sensor contributions



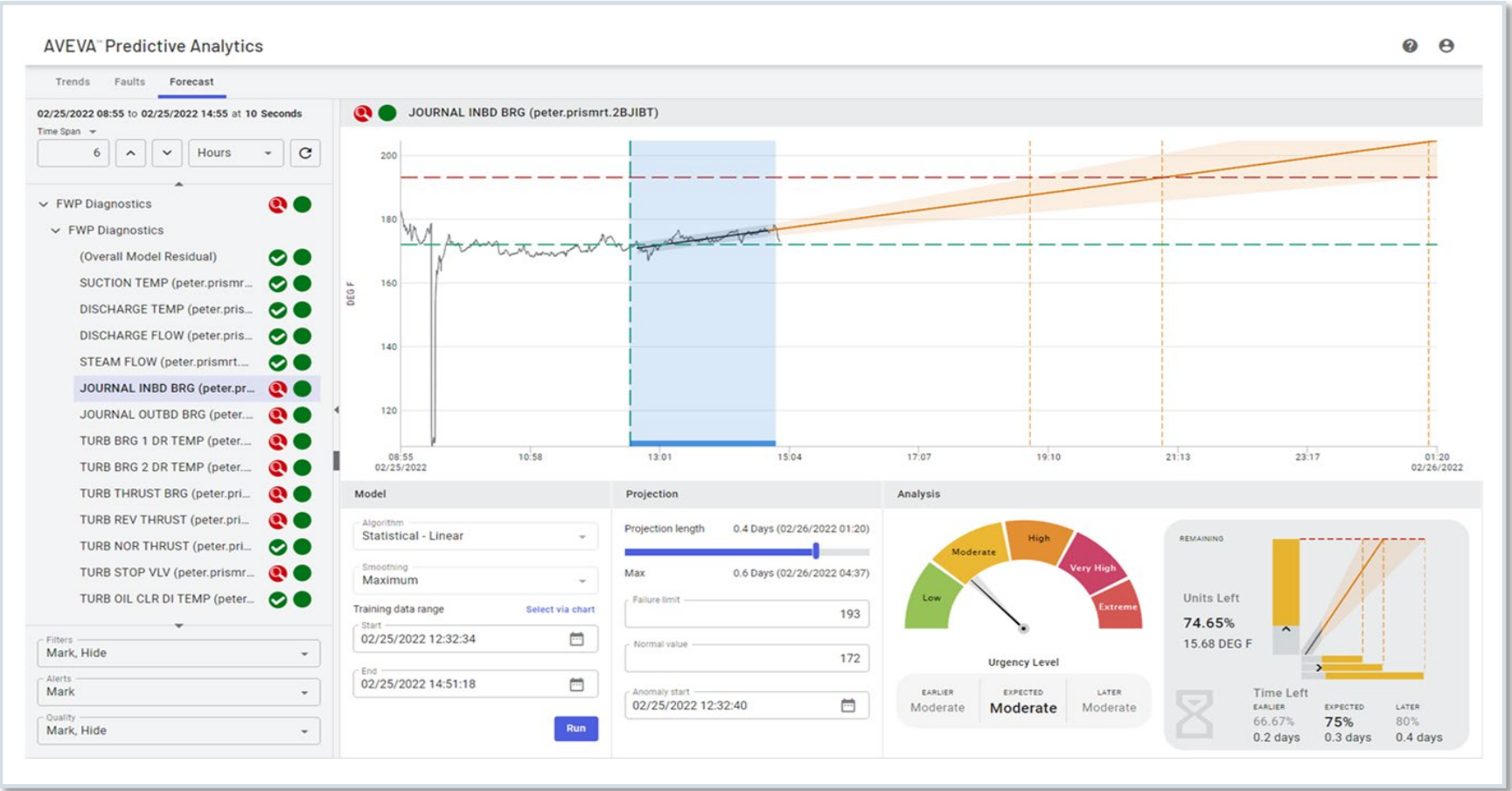
Fault diagnostics



Prescriptive actions



Forecast



Operational scale matters

Predictive monitoring at scale



**Model Templates
and Validation**



**Fault + Prescriptive
Diagnostics**



**Performance
Monitoring**



**Case
Management**



**Alert & Sensor
Management**



**Time Until Failure
Forecast**



Transient Analysis



**Asset Comparison
and Reporting**



**Integrated Alert
Workflow**



*AI/Machine learning is the
easy part*



*Operationalizing AI at scale is
the difference between
success or failure*

Deep integration to AVEVA PI System



Visibility to more people,
integration of content to
AVEVA PI Vision

Predictive Analytics results
integrated in AVEVA PI system
for contextualized insights

Integrated with PI Asset
Framework enabling more
efficient model building

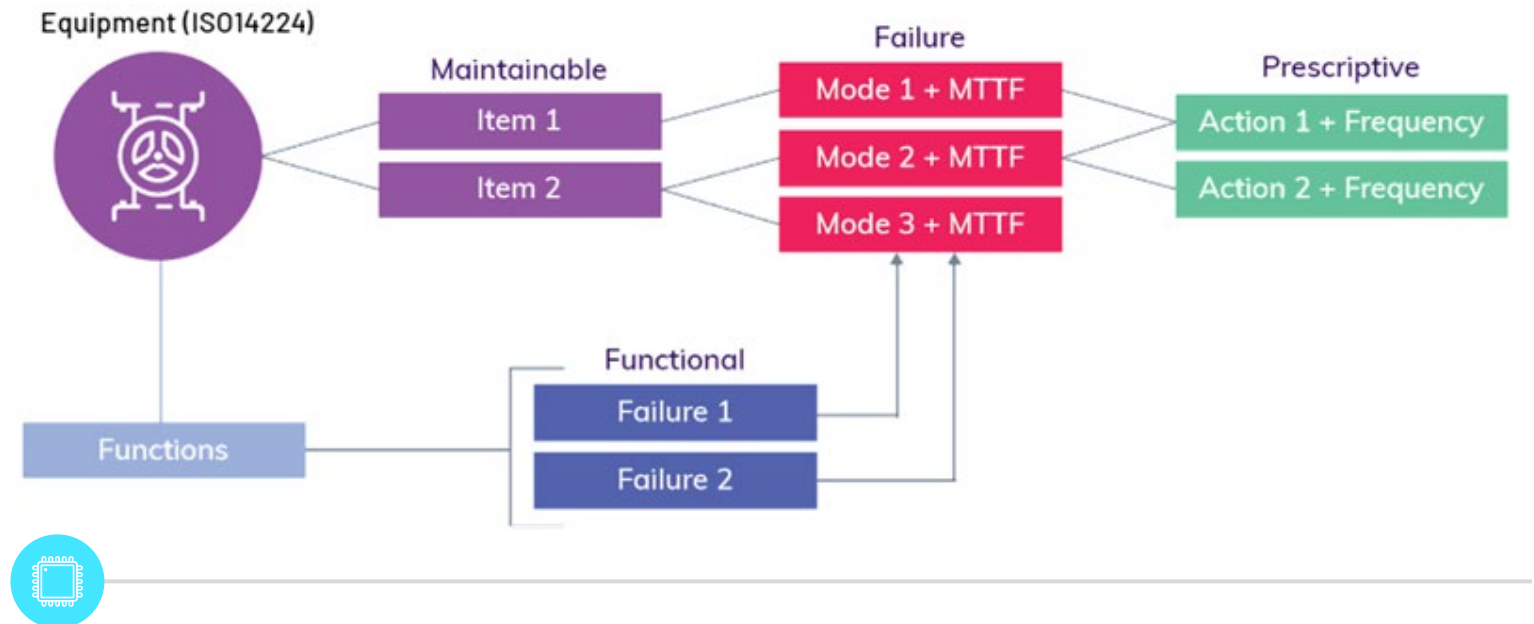
Fault + Prescriptive Asset Library - deployment acceleration

AVEVA Asset Strategy Library



By adding data and asset templates to the solution strategy deployment can be done up to 90% faster.

The AVEVA Asset Library contains RCM-based equipment failure data and preventive maintenance for the most commonly found asset types in asset-intensive industries

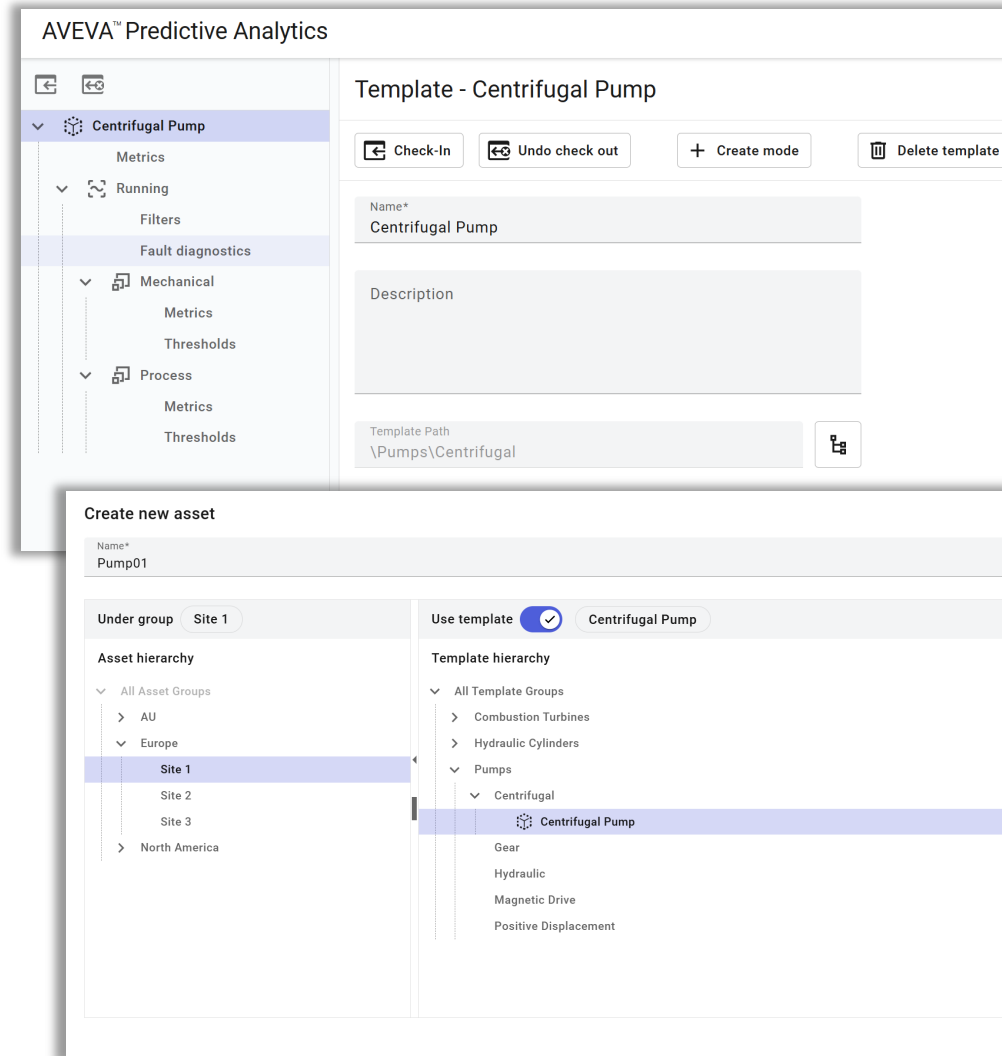


- 1,000 components
- 1,500 failure causes with failure conditions
- 2,000 preventative tasks
- 5,000 prescriptive tasks
- 20 years and 22,000 man-hours of experience

Scale faster with smart templates

Built in domain best practices

- Standardized scale-up
- Expert-defined failure modes
- Simple diagnostics
- Template-based tuning



Recommended Instrumentation (Metrics)



Alert Thresholds



Deployment Settings



Fault Diagnostics



Prescriptive Actions

20+ years of RCM-based failure intelligence embedded in the AVEVA Asset Library

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Automated models at scale

Fast time to value



Instant asset recognition with PI AF

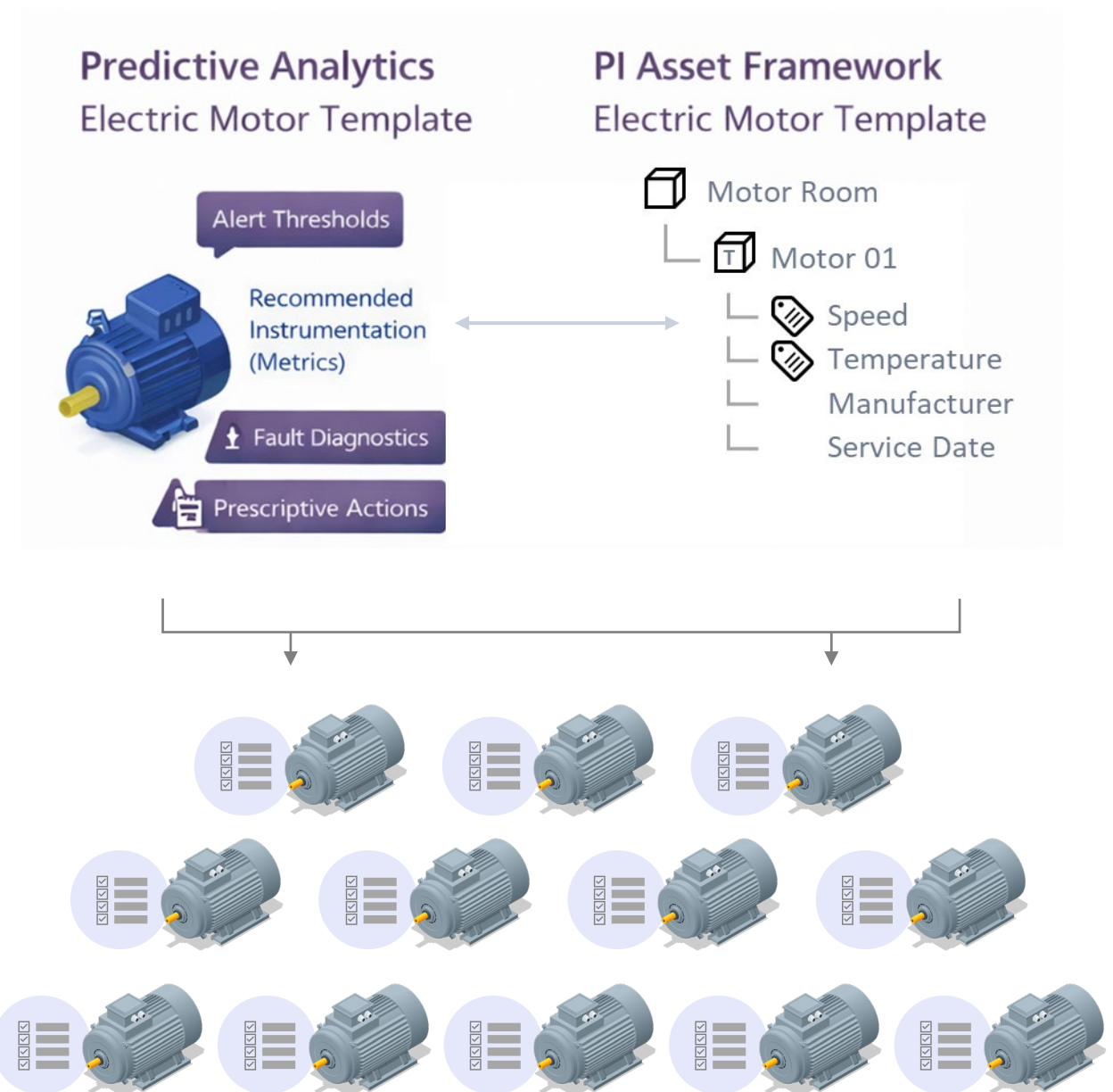


Automatic cleansing of training data



Built in Fault Diagnostic and Prescriptive Actions

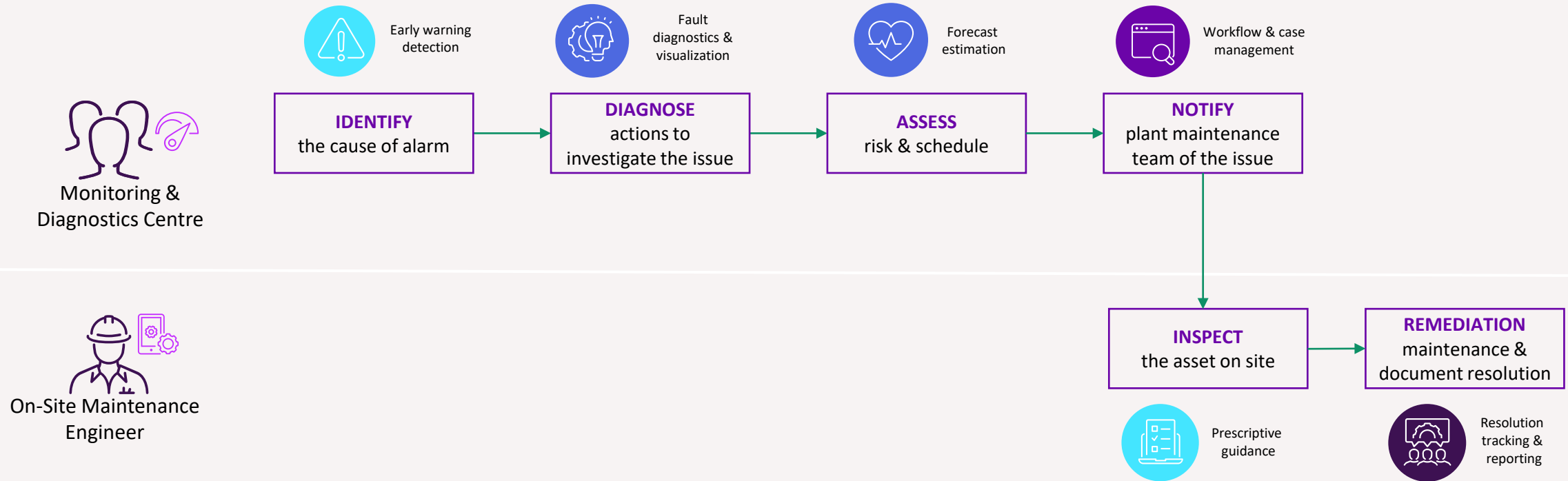
Faster deployment. Fewer errors.
Consistent results.

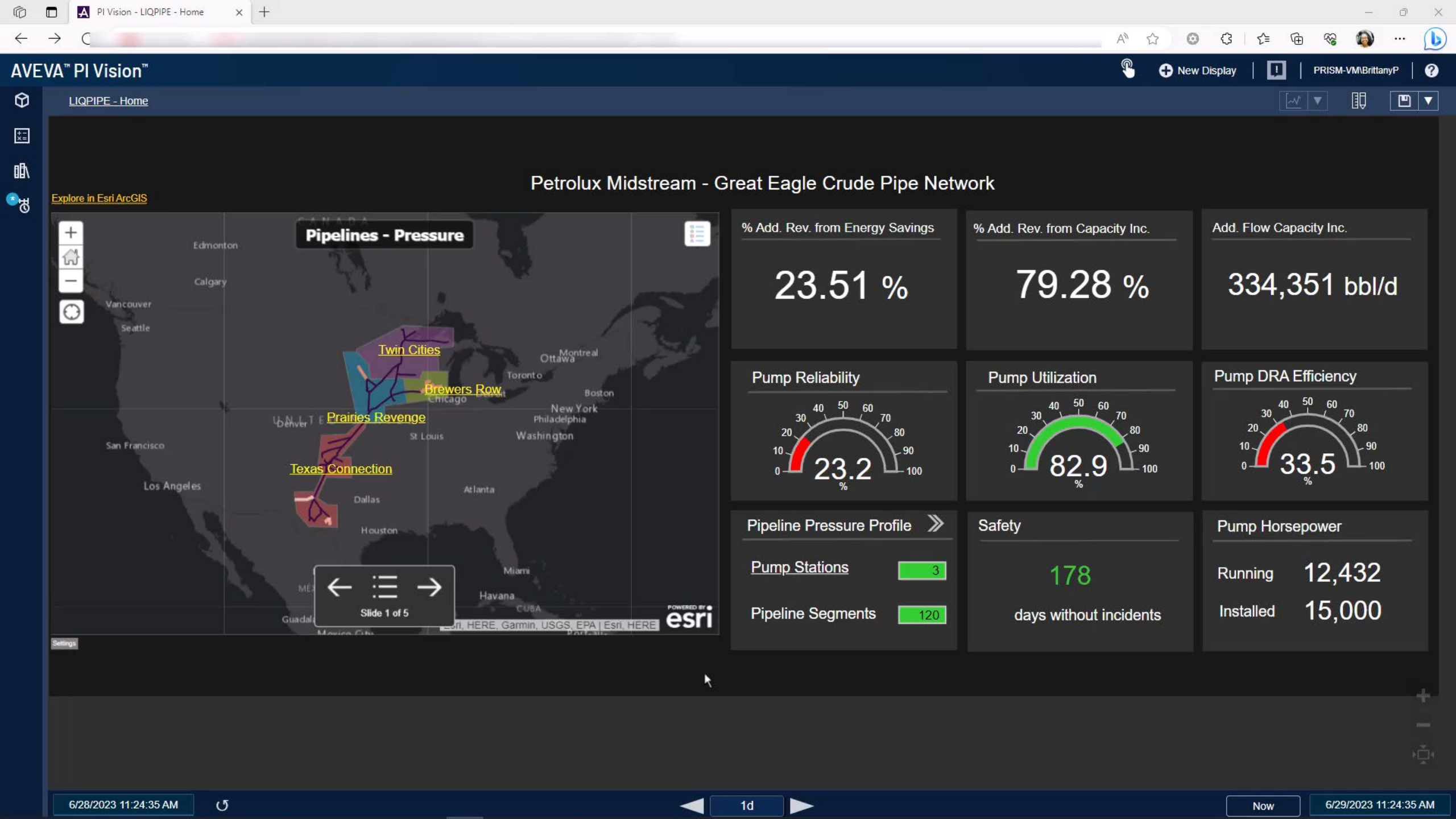


Let's look at a Demonstration

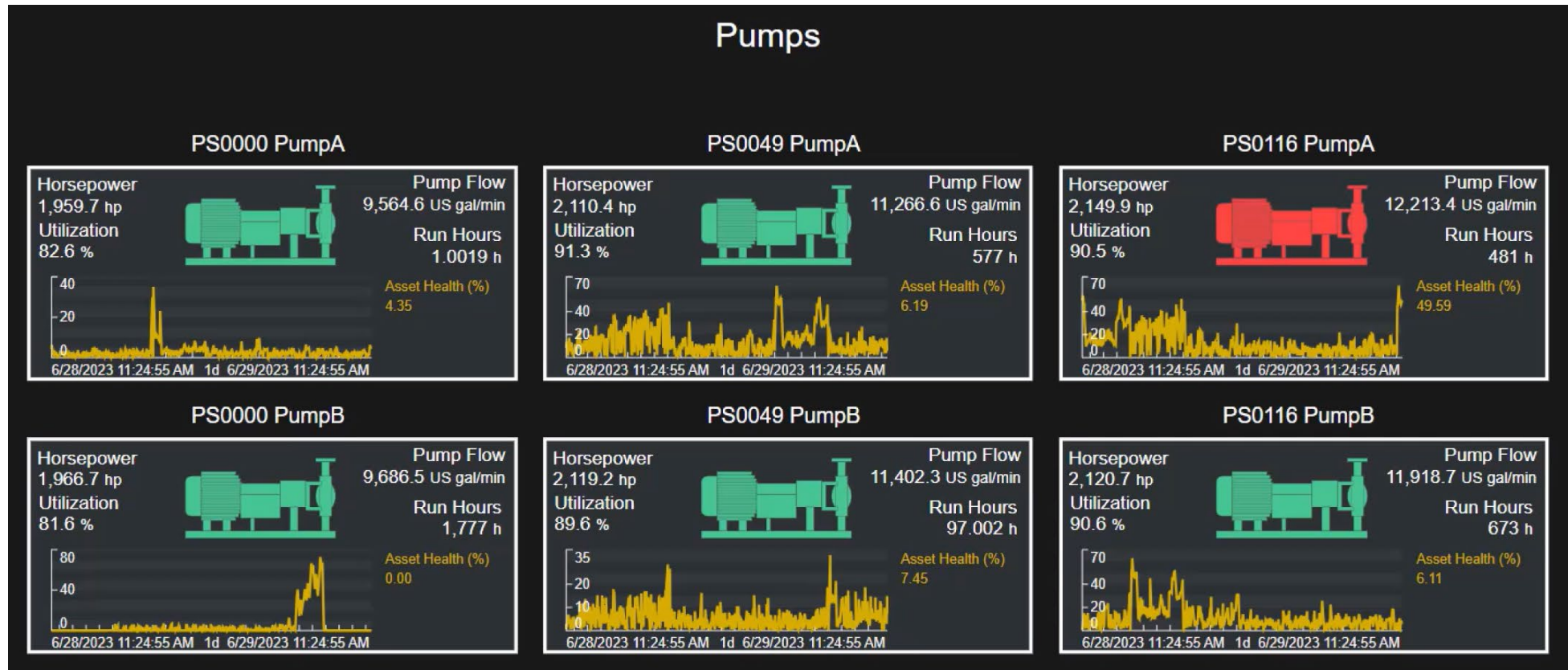


Monitoring with AVEVA PI System and AVEVA Predictive Analytics





Creating models with a template





Cent Pump BD Template

Metrics

Running- Stable

Filters

Fault diagnostics

Centrifugal Pump Mechanical

Metrics

Thresholds

Centrifugal Pump Process

Metrics

Thresholds

Template - Cent Pump BD Template



Check out

Delete template

Name*
Cent Pump BD Template

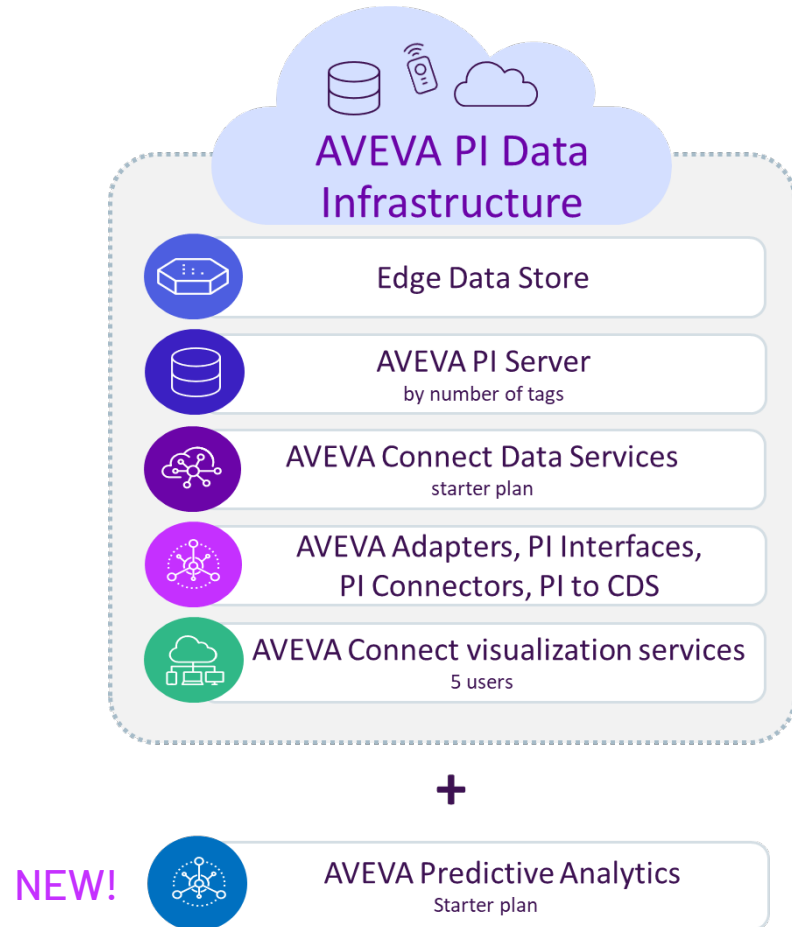
Description

Template Path
\Pumps



Template owner
Boris Demarrez

Our take away!



Define your maintenance strategy – critical assets



Start with your existing Instrumentation



No science projects!



Quantifiable ROI



Experience the Monitoring Center approach



Scalable across the Enterprise

Questions?



Please remember to...

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

Visit us at the APM booth in the Expo.

Maximize reliability and performance through data intelligence and AI

Thank you!

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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.

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