



AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

Standardizing predictive and prescriptive maintenance with asset-based AI

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Asset failures

82%

of asset failures are
not Time Based



**Asset
failures**

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of asset failures are
not Time Based



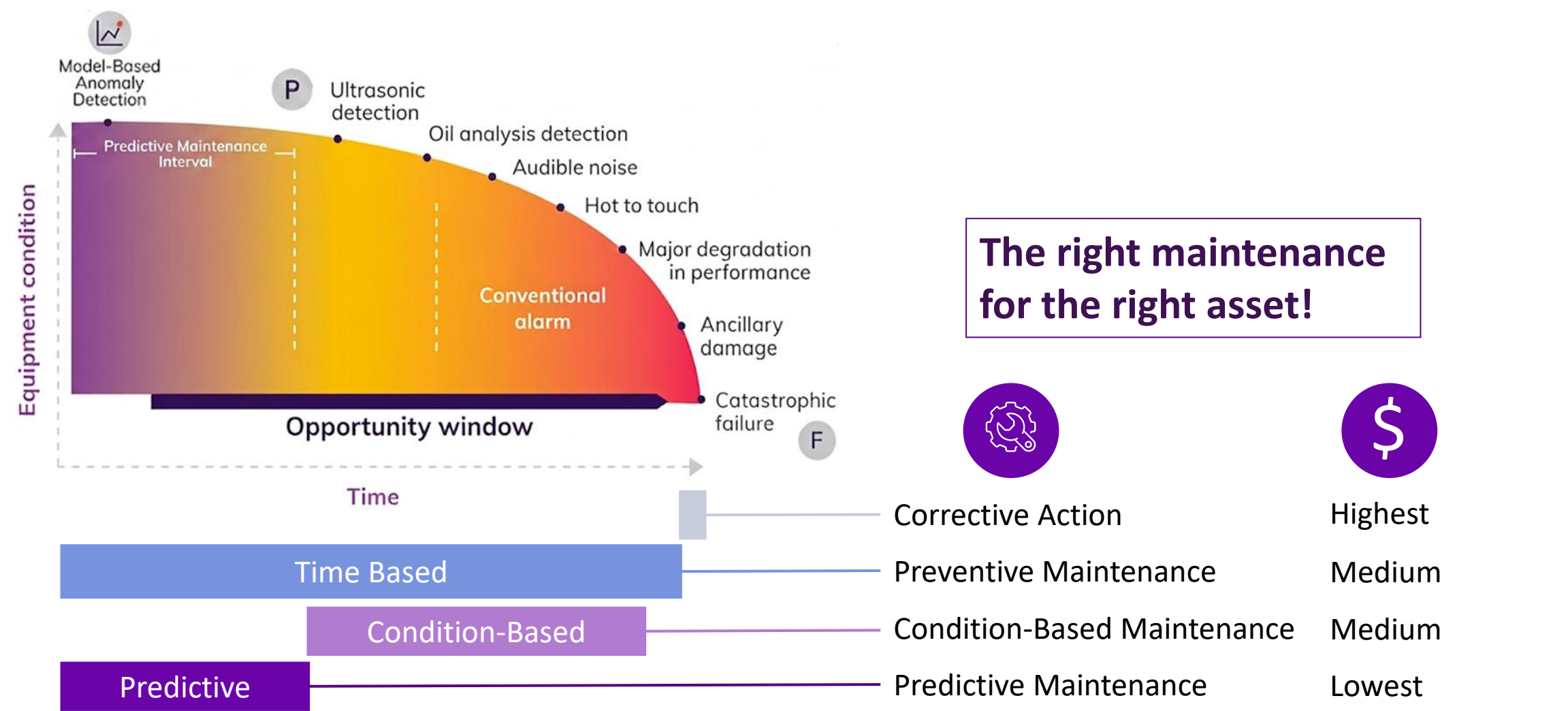
**Unscheduled
downtime
avoidance**

\$260K

Average cost of
industrial asset
downtime/hour²

From Time-Based to Predictive Maintenance

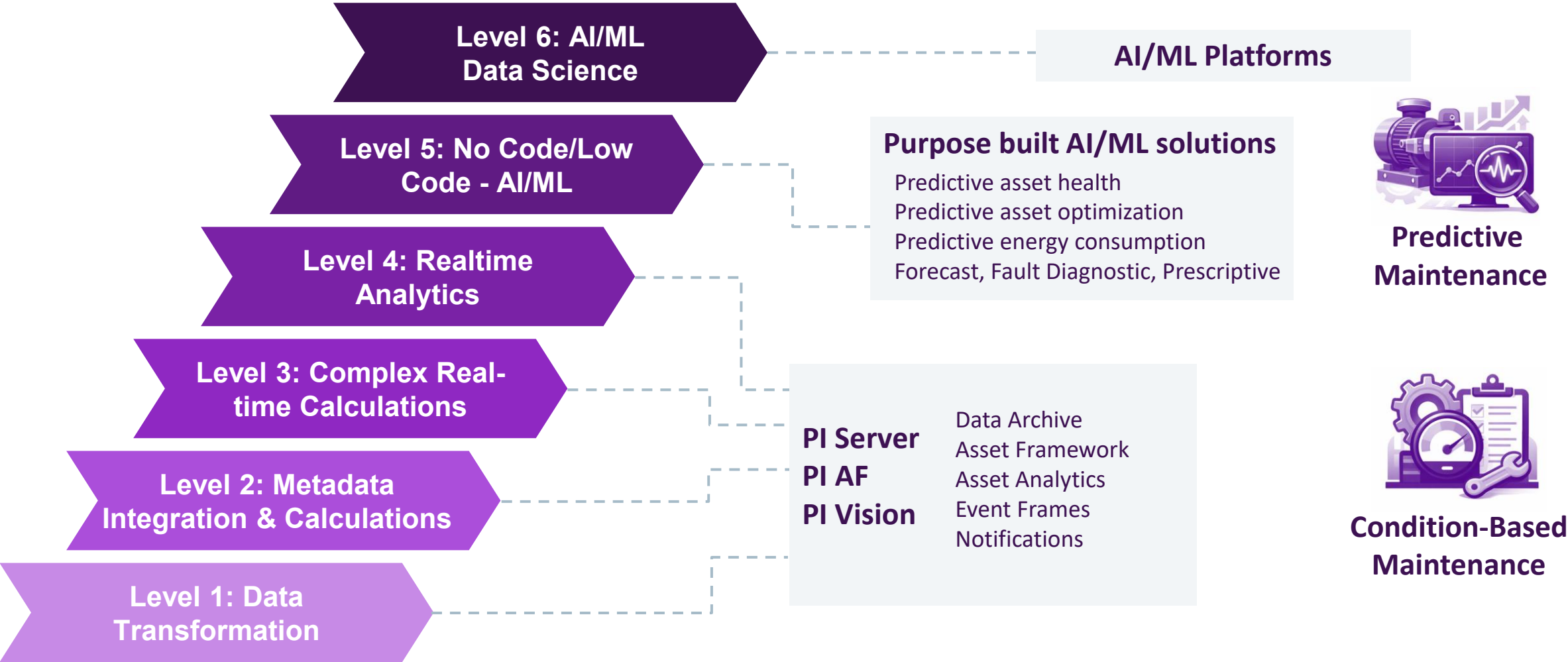
Acting early on the PF curve



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

**AI you can operationalize—
at scale**



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

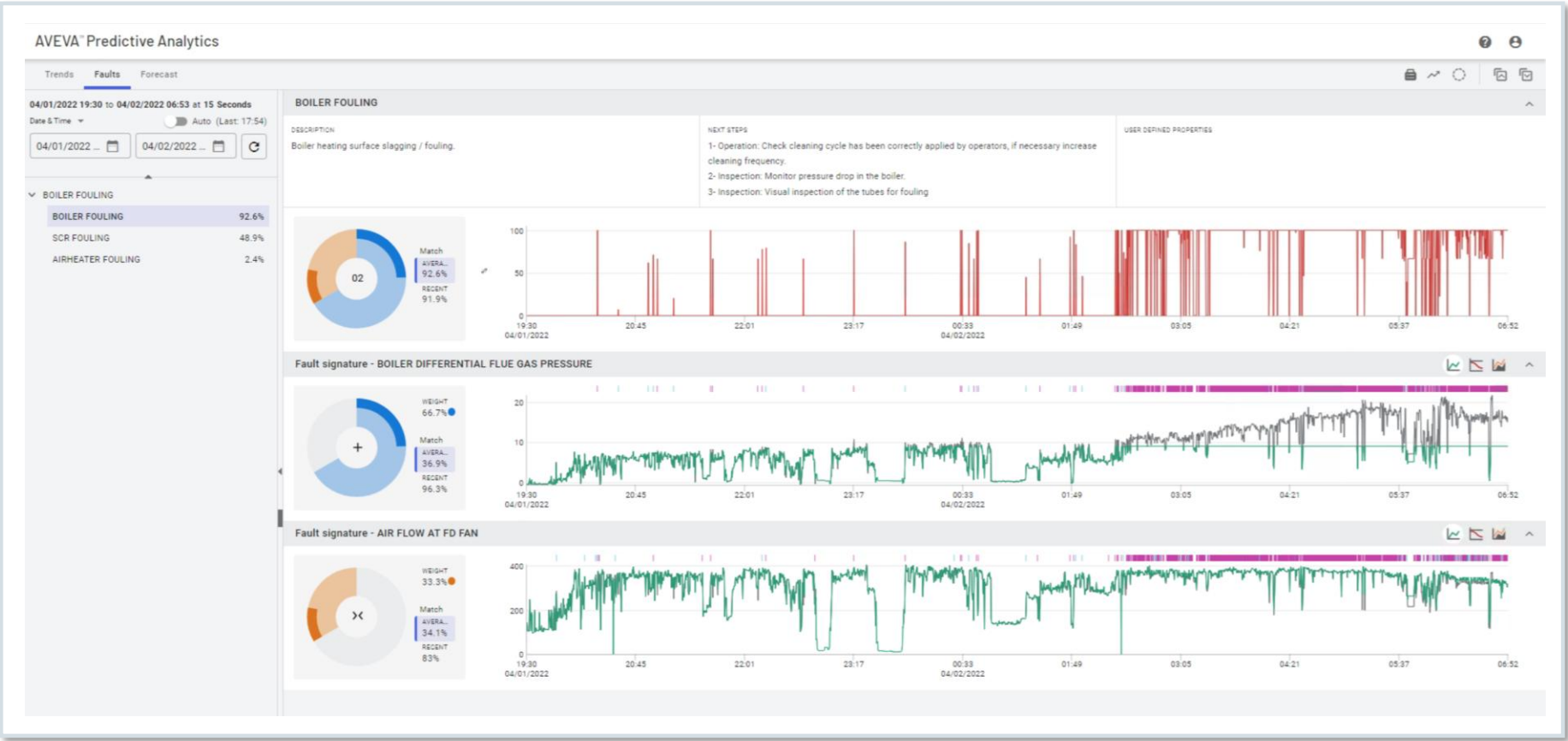


Best-in-class anomaly analysis

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



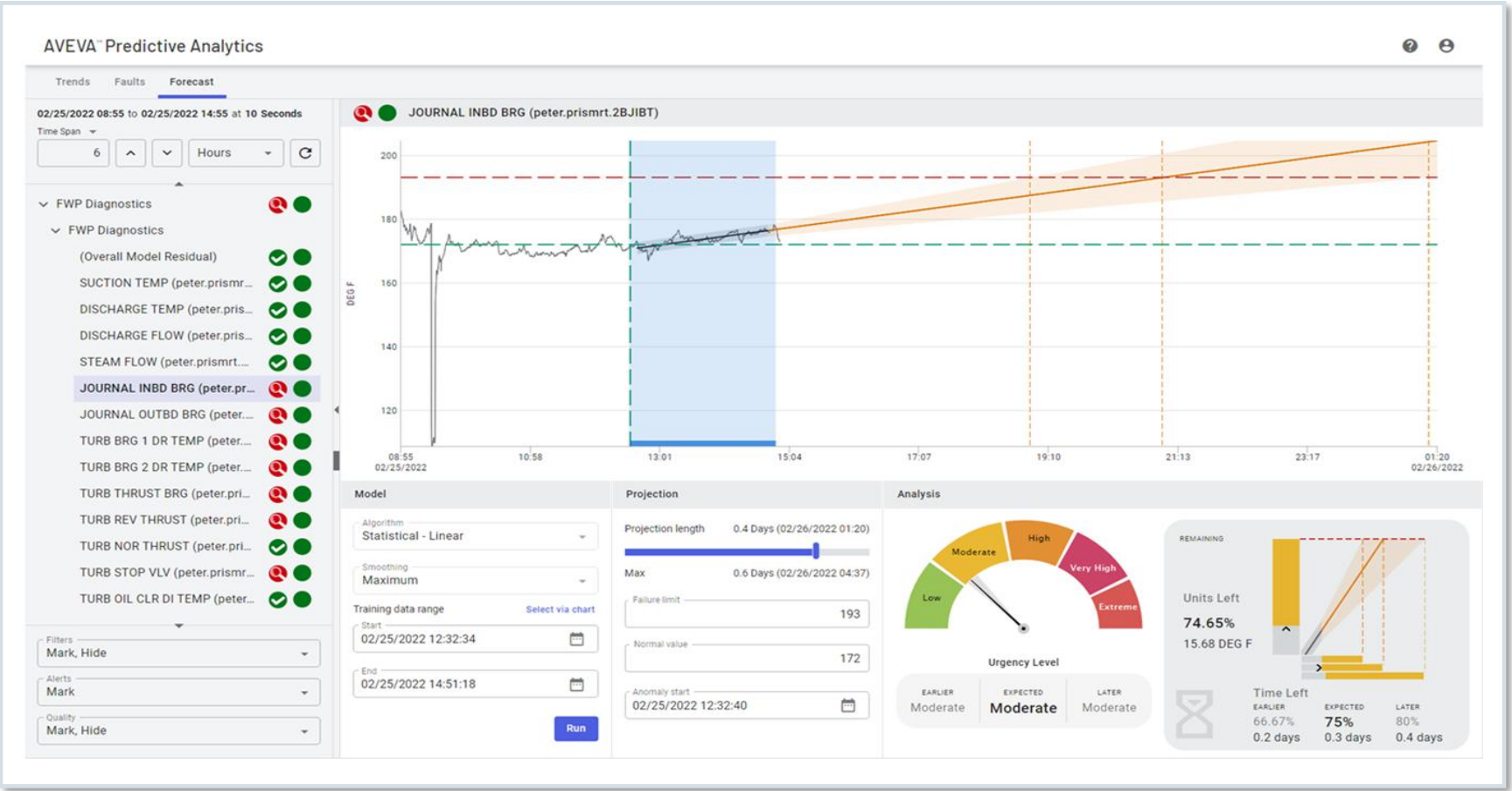
Fault diagnostics



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

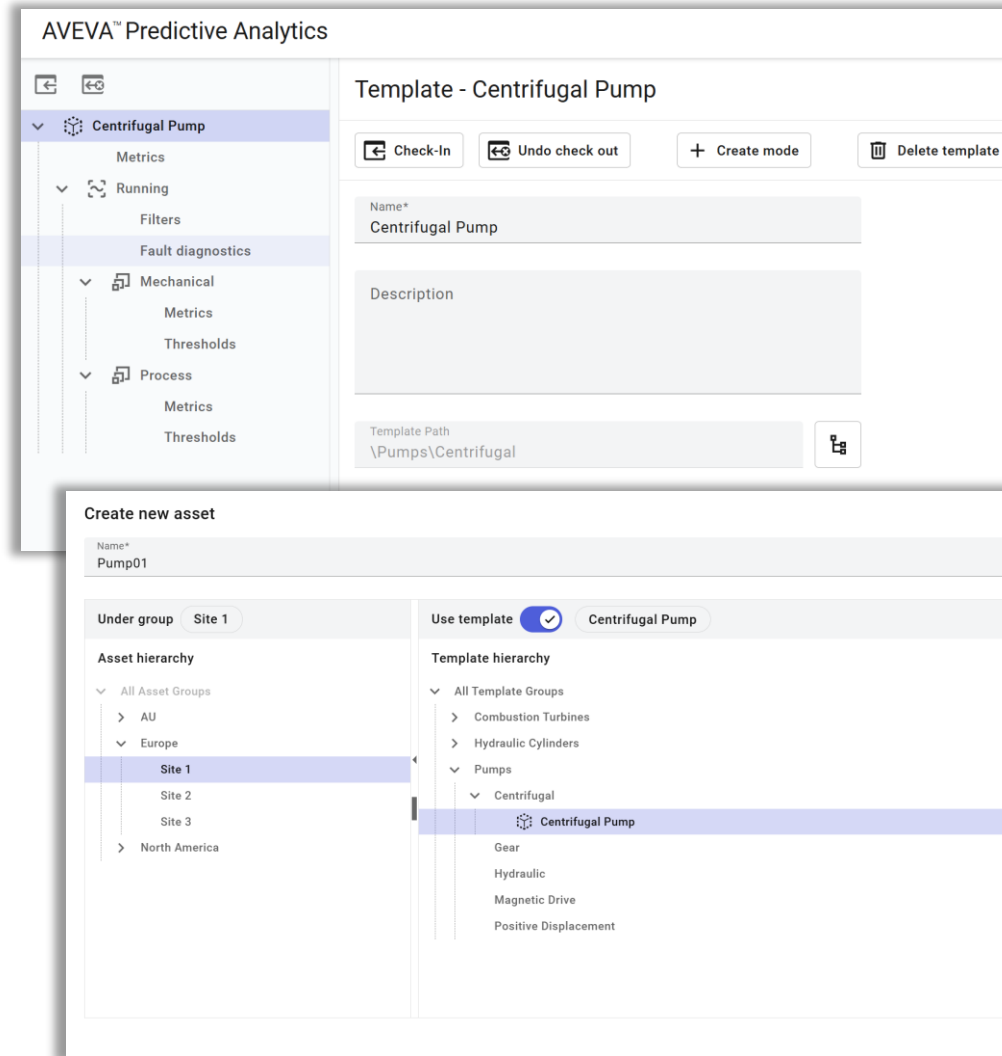
Predictive Analytics results
integrated in AVEVA PI system
for contextualized insights

Integrated with PI Asset
Framework enabling more
efficient model building

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

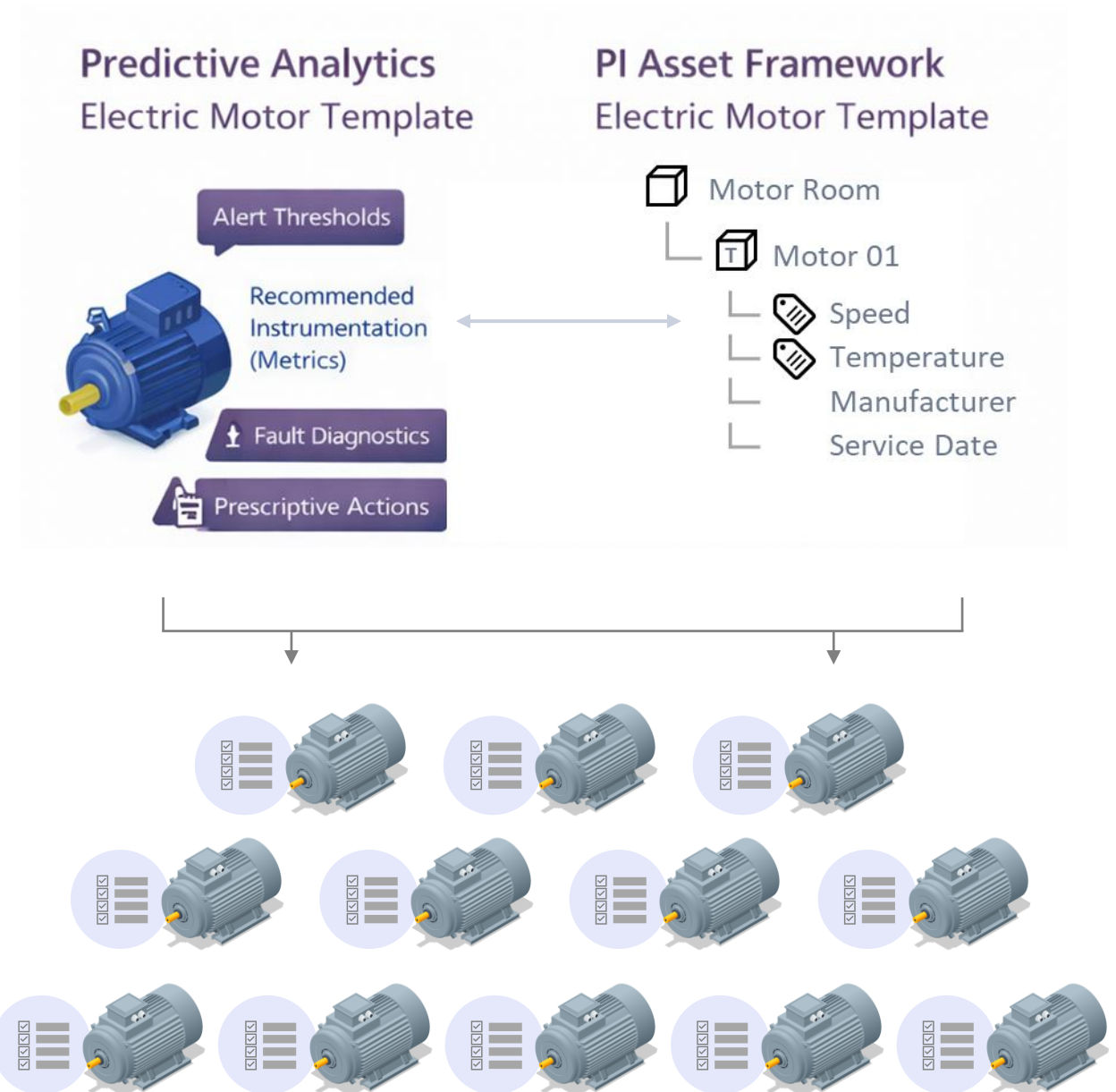


Automatic cleansing of training data



Built in Fault Diagnostic and Prescriptive Actions

Faster deployment. Fewer errors.
Consistent results.



Proven results



Driving predictive maintenance at scale with AVEVA Predictive Analytics

- 10% reduction in maintenance costs
- US\$5.5M savings per site / \$88M total
- 6% increase in asset reliability



Maximum power plant reliability with AVEVA Predictive Analytics

- \$34M+ saved from a single early catch
- Monitoring deployed across 87% of Duke's generating fleet



Maximum asset reliability with AVEVA Predictive Analytics and AVEVA PI System

- Over 1,700 anomalies detected early
- \$37M+ in cost savings



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