

A scenic mountain landscape with a large lake and two hikers on a ridge. The image shows a vast valley with a large lake in the center, surrounded by green mountains and a hazy sky. Two hikers, one in a red jacket and one in a blue jacket, are standing on a grassy ridge in the foreground, looking out over the valley. The overall atmosphere is serene and majestic.

**Kanadevia
INOVA**

Pulse 360

The customer portal for advanced
plant monitoring

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Product and Technology Marketing

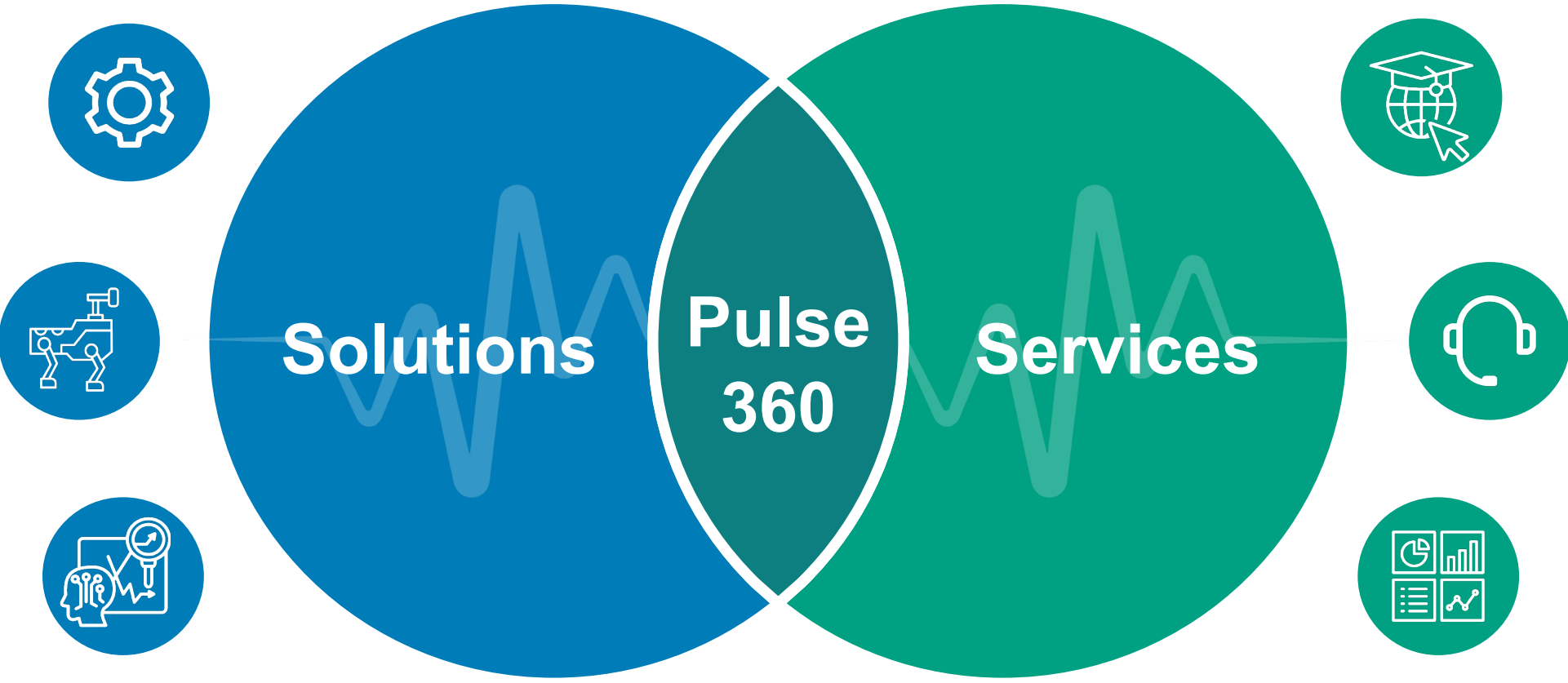
KANADEVIA INOVA AT IFAT 2026

STAND A4.441

Pulse 360

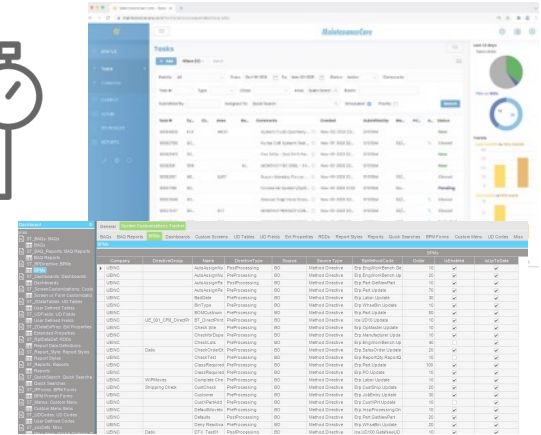
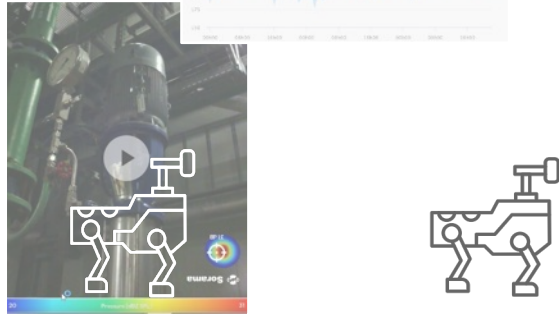
The customer portal for advanced plant monitoring

The core of our digital ecosystem – Kanadevia Inova Pulse



1000 Alarms, Zero Awareness

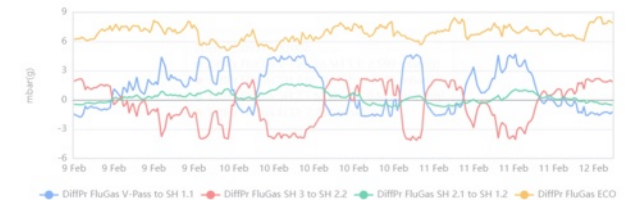
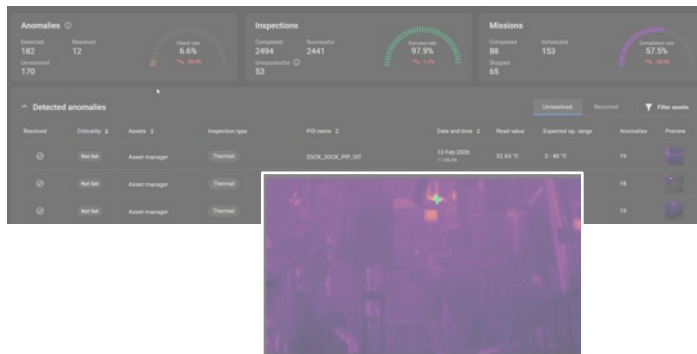
Insights come from correlation, not collection



More data does not guarantee more clarity

Overload blinds operators and hides what truly matters

Stop adding data, start adding context



Pulse 360

360° = Data + Technology + Expertise - built to integrate

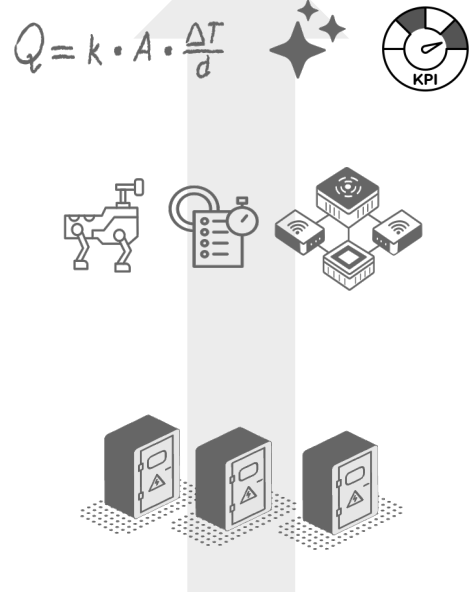
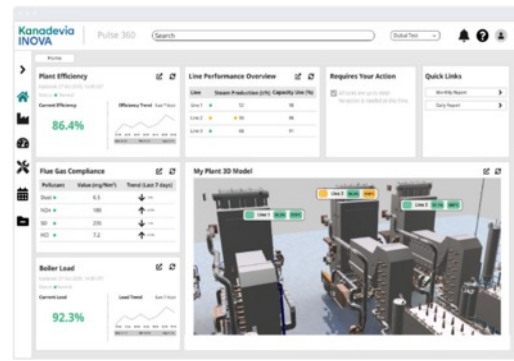


Delivering 360° value

Data Processing & Analysis

Collecting & structuring data from various sources

Real-time control – the foundation of digitization



Pulse 360

The customer portal for advanced plant monitoring

360° for process performance: **Signal** → **Context** → **Insight** → **Action**





Home

Plant Efficiency

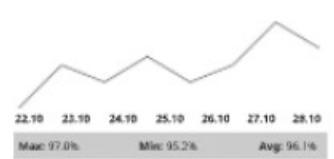
Updated: 28 Oct 2025, 14:00 CET

Status: ● Normal

Current Efficiency

96.4%

Efficiency Trend (Last 7 days)



Line Performance Overview

Line	Steam Prod. (t/h)	Waste Throughput (t/h)
Line 1	104.6	30.1
Line 2	91.3	31.2
Line 3	102.8	31.5

Requires Your Action

- High Priority Finding on Line 1** - New
Inspection of rapping system suggested.
28 Oct 2025, 12:00 CET
• Asset: Boiler horizontal pass
• KKS: 1HBK40
• Metric: Fouling Score
- Medium Priority Finding on Line 2** - In Progress
Follow-up with Maintenance Team required
25 Oct 2025, 14:00 CET
• Asset: Induced Draught Fan
• KKS: 1HNC10
• Metric: Health Status

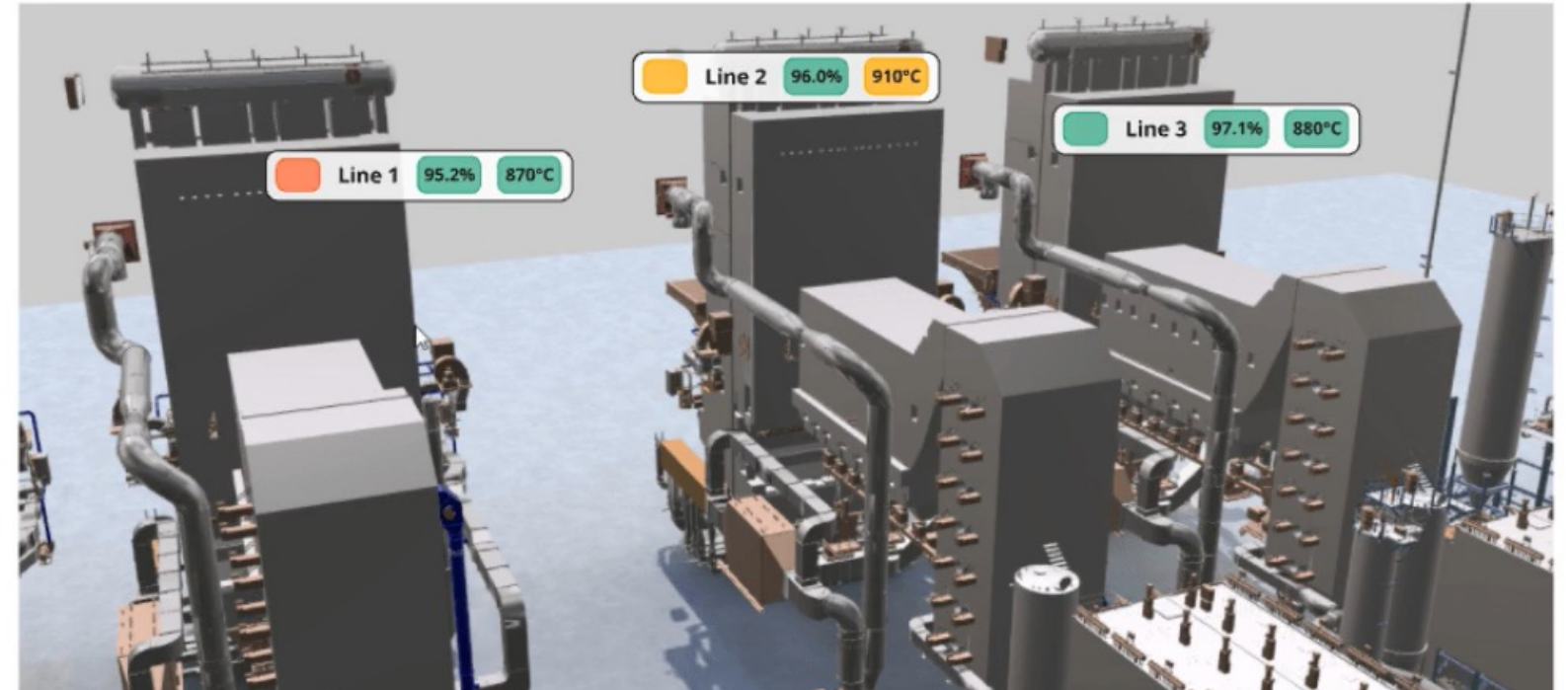
Quick Links

- Monthly Report
- Daily Report
- Operations Dashboard
- Maintenance Dashboard
- Plant Overview Dashboard

Flue Gas Compliance

Pollutant	Value (mg/Nm ³)	Trend (Last 7 days)
Dust	6.5	↓ -10%
NOx	180	↑ +6.5%
NH3	4.5	↓ -14%
HCl	7.2	↑ +7.5%

My Plant 3D Model



Turbine Efficiency

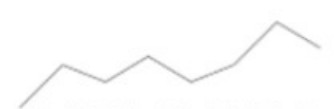
Updated: 28 Oct 2025, 14:00 CET

Status: ● Normal

Current Load

95.1%

Load Trend (Last 7 days)



Pulse 360

Inside examples

Process performance KPI

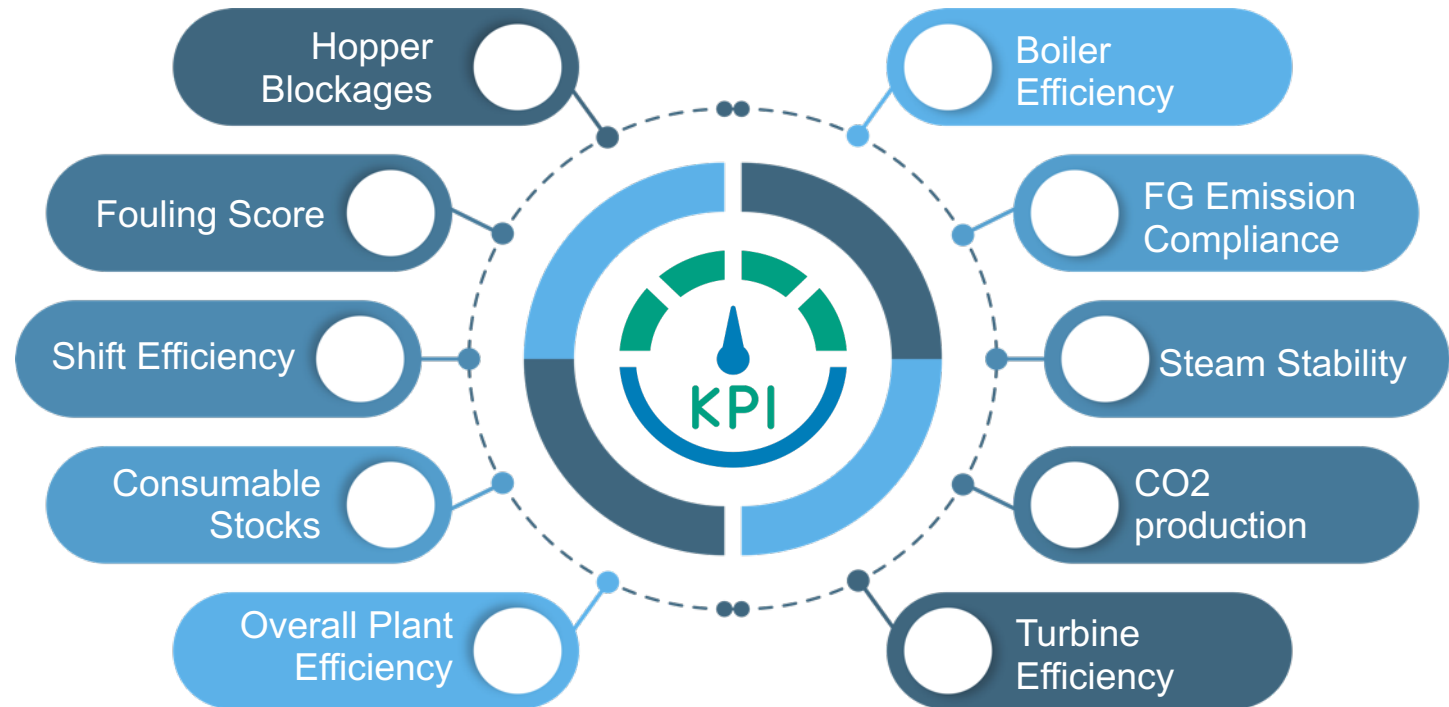
Delivers automated insights and operational guidance to drive measurable improvements

Built on decades of operational expertise, our KPIs translate complex plant data into clear, actionable insights

Empowers teams across the plant lifecycle with automated performance evaluations and early anomaly detection

Delivers measurable improvements by combining proven methodologies with cutting-edge digital service capabilities

Integrated and visualized on **customizable dashboards, reports and / or on Pulse 360**



Detection of preheater performance loss

Early and easily interpretable warning for preheater uncleanliness


⚠ THE CHALLENGE

Assessing a preheater cleaning requires

- Accessing data via the DCS only
- Combining various signals manually
- Relying on raw, unclear data (e.g. pressure drop)
- Reacting on late threshold-based alarms

➤ A slow and error-prone process





PULSE 360 SOLUTION

Demonstrated significant operational improvement in Slough: Pulse 360 centralizes and visualizes raw signals (preheater pressure drop – top graph) and associated KPIs (preheater cleanliness index – bottom graph)

- Integrated graph view showing all relevant information
- Clearer, more interpretable KPIs for faster decisions
- Remote access, even from mobile
- Customizable time spans

Pulse 360 brings you clarity within one single place to validate an operational hypothesis



Dashboards & Reports

Multiple reports for various user profiles

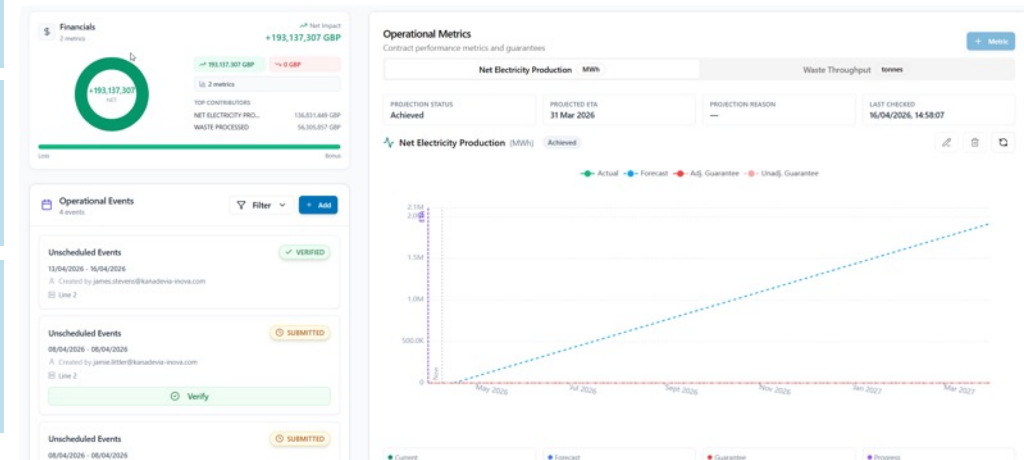
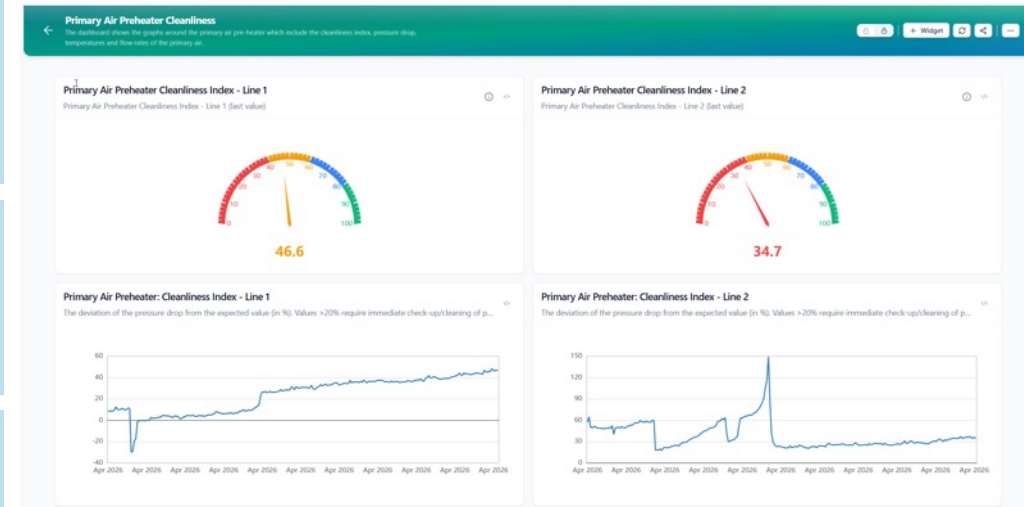
Dashboards – Fully customizable live and historical views of selected KPIs & monitored area of interests. Provides a snapshot of the plant and systems state.

Daily reports - Provides daily overview of main plant operational status, selected KPIs and operational limits. Main Dashboards, Trends diagrams and Shiftbook can be included.

Monthly Reports – Prepared by Kanadevia Inova engineers and analyzing monthly plant performance.

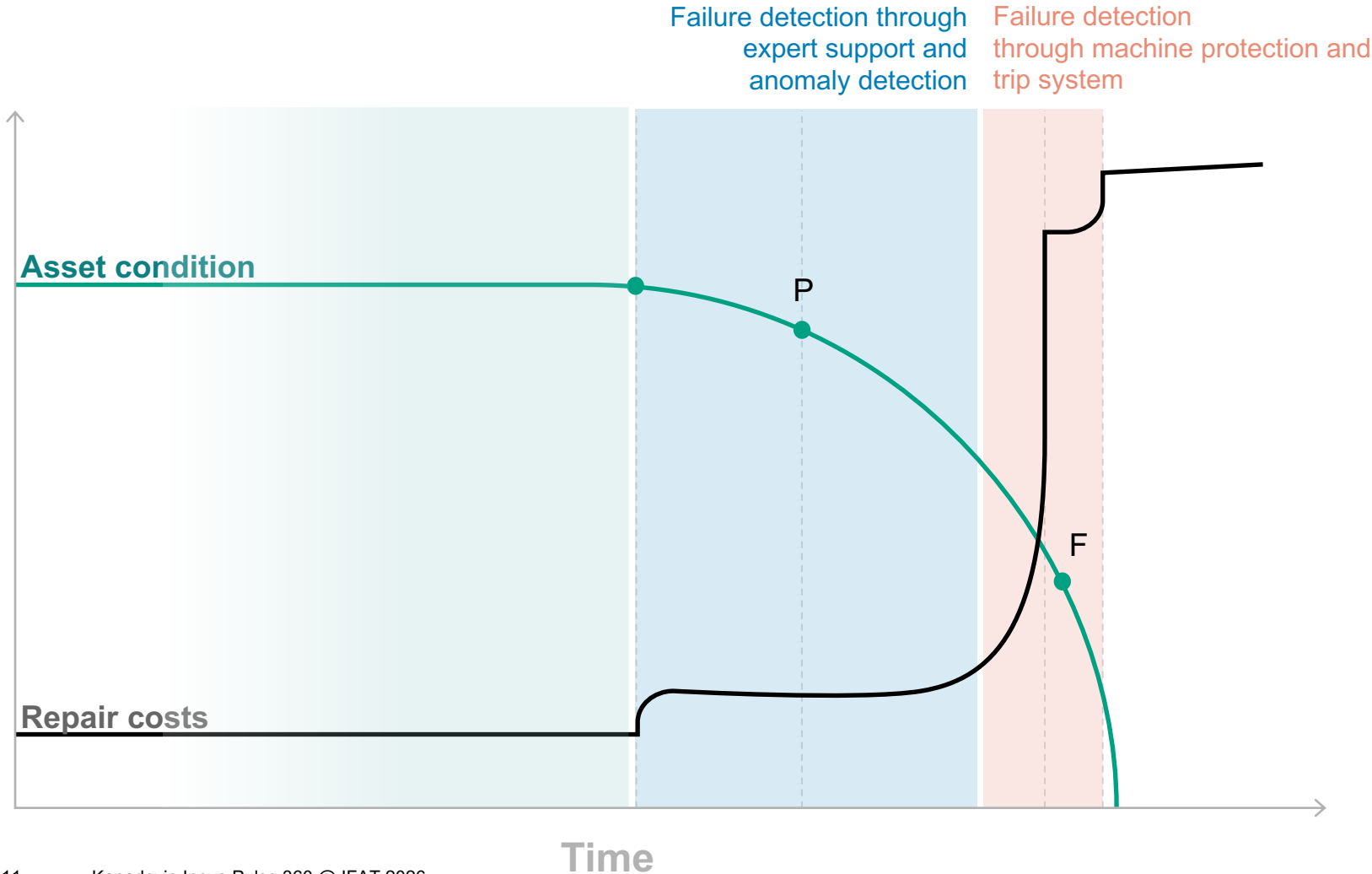
Annual reports – Prepared by Kanadevia Inova engineers and summarizing the yearly plant performance, providing a risk overview and improvement opportunities

Additional reports - specific discussions and follow up at the request of the Operator are possible in line with that defined within “Integration of Systems” below.



Equipment Anomaly detection

Save time and maintenance costs by detecting early failures



Detects failure before maintenance and repair cost increase significantly

Gives maintenance manager **more time to plan maintenance** (spare parts, resources)

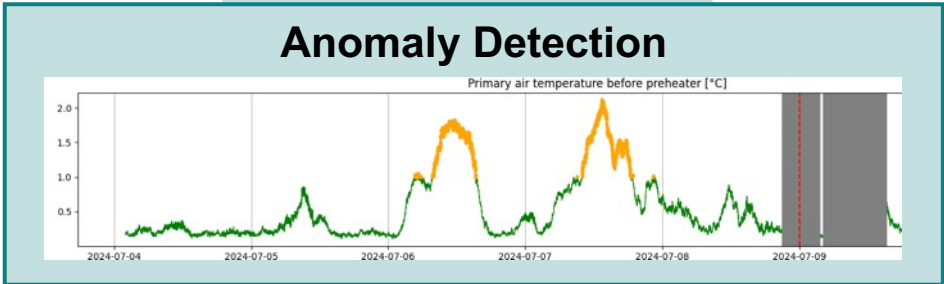
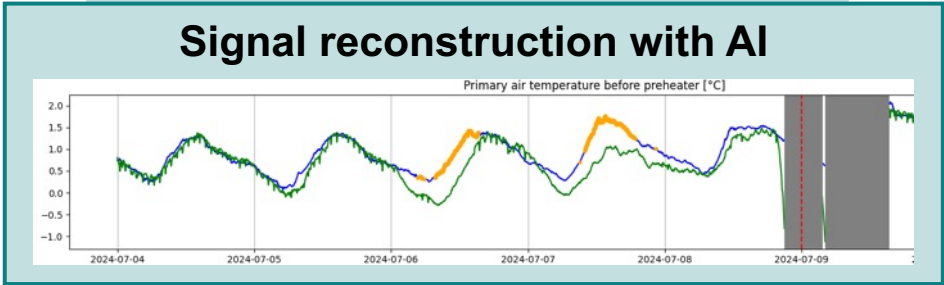
Reduces downtime by avoiding reactive maintenance

Reduces needs of continuous operation monitoring, **saving operator time and costs**

Anomaly detection

A concept complementary to plant control and protection systems to bring additional value

Equipment raw data



Alarm & Ticket creation

Maintenance Action

1 - Calcium Hydroxide 30 days

47 %

1-ID Fan 90 %

ID fan health score on 3D model

ID Fan Condition Score - Line 1

90

ID Fan Condition Overview - Line 1 & Line 2

*Please note that Line 1 values are represented with Red and Line 2 values are represented with Blue

This line chart tracks the condition scores for Line 1 (red line) and Line 2 (blue line) from April 2026. The y-axis represents the condition score from 0 to 100. Line 1 starts at approximately 95, peaks at 100, and ends at 90. Line 2 starts at approximately 95, peaks at 100, and ends at 75.

Pulse 360

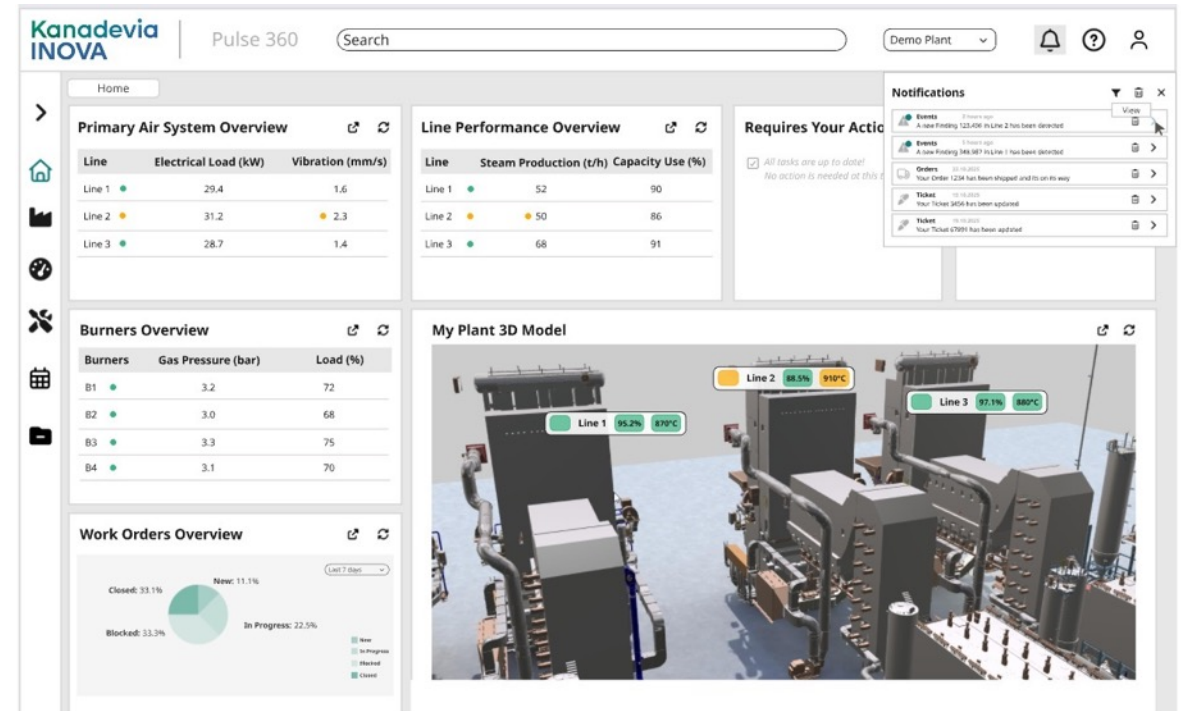
Summary

Pulse 360

The customer portal for advanced plant monitoring

Summary

- **Pulse 360** is a unified digital workspace giving operators and customers real-time visibility, performance insights, and service transparency.
- **Pulse 360** is our digital portal that integrates data, technology, and deep process expertise into one unified view.



Pulse 360

The customer portal for advanced plant monitoring

Advantages

- **Integration across systems**
- **Instant, intuitive access to information**
- **Expert-built KPIs for superior operational intelligence**

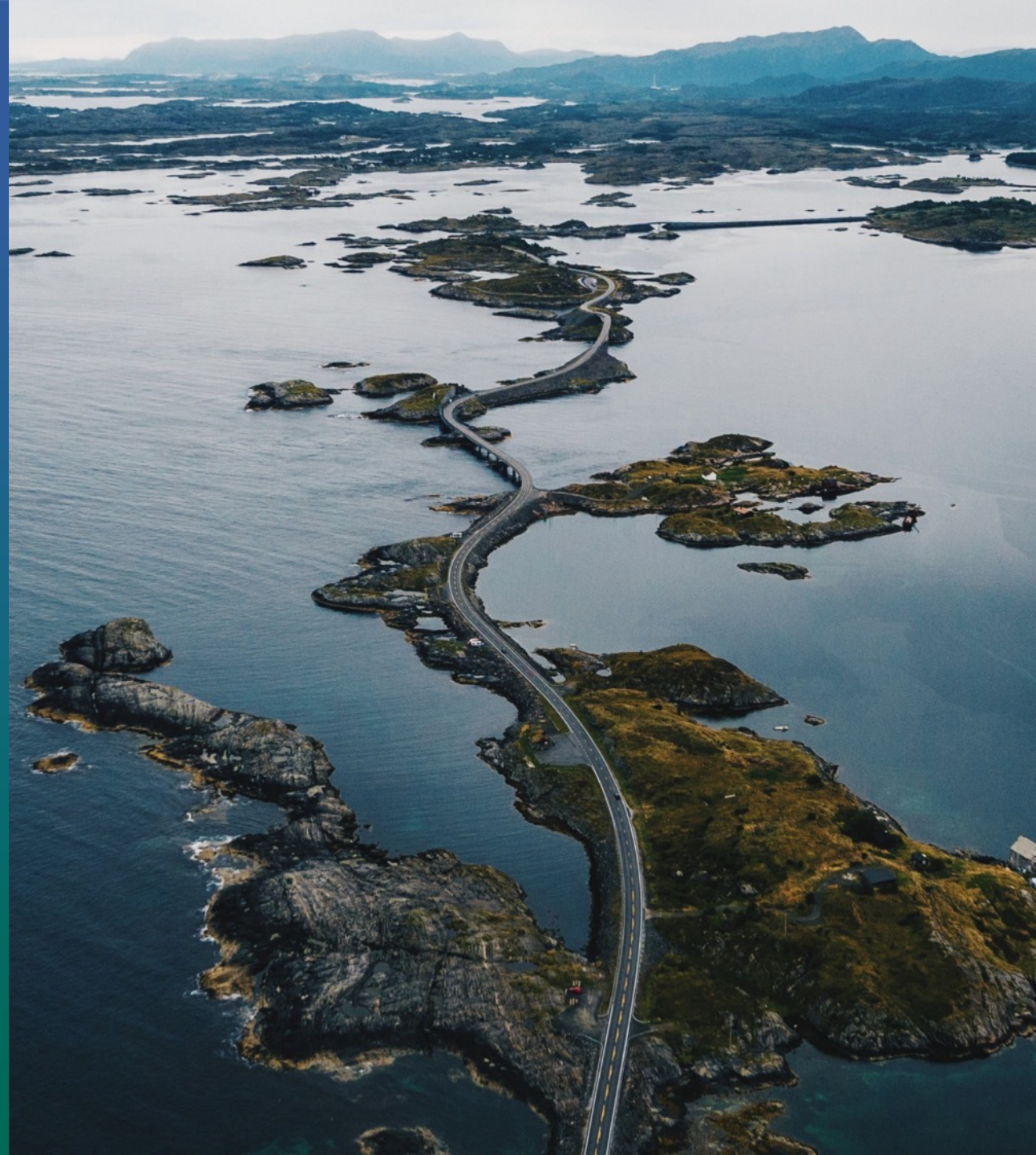


**Kanadevia
INOVA**

Thank you for your attention
Reach out to continue the conversation



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