

The background features a dark purple gradient with glowing cyan and magenta lines forming a diamond pattern. The text is centered in white.

AVEVA WORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

59

times we knew.
Yet.

Bastian Jana | Milano | May 19th, 2026

A globally operating specialty chemicals company

Specialty chemical company

- Specialty chemicals portfolio: chemical intermediates, additives and consumer protection products



Global success story

- Approximately 11,700 employees in 32 countries
- Global sales of EUR 5.7 billion in 2025



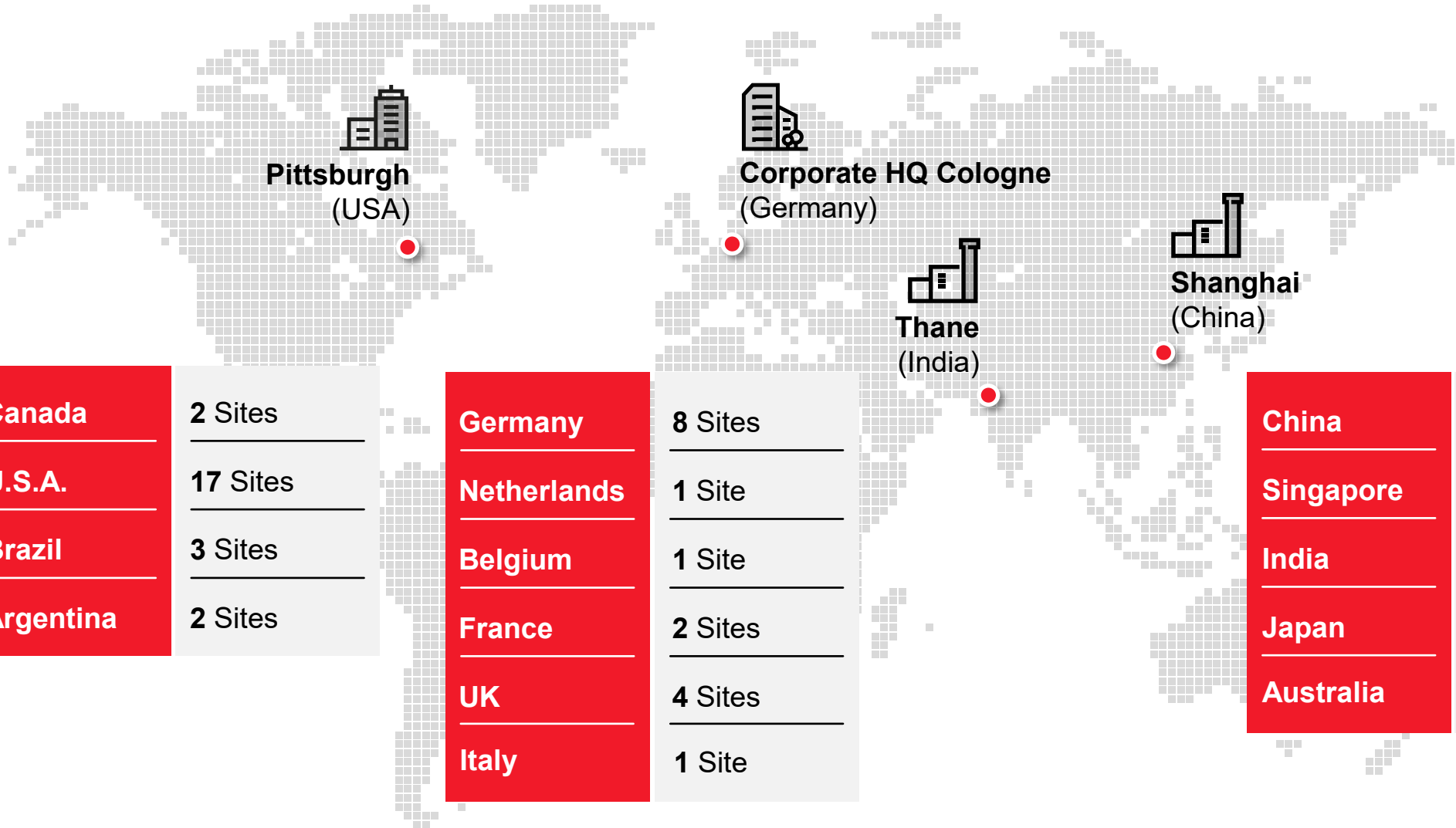
Strategy of profitability and resilience

- Strengthening of leading position in medium-sized markets
- Expansion in USA, strong market presence in Europe and Asia



Presence with 49 production sites

in 15 countries



Canada	2 Sites
U.S.A.	17 Sites
Brazil	3 Sites
Argentina	2 Sites

Germany	8 Sites
Netherlands	1 Site
Belgium	1 Site
France	2 Sites
UK	4 Sites
Italy	1 Site

China	3 Sites
Singapore	1 Site
India	2 Sites
Japan	1 Site
Australia	1 Site

Transforming operations and maintenance through digitalization

Process & Asset Applications:

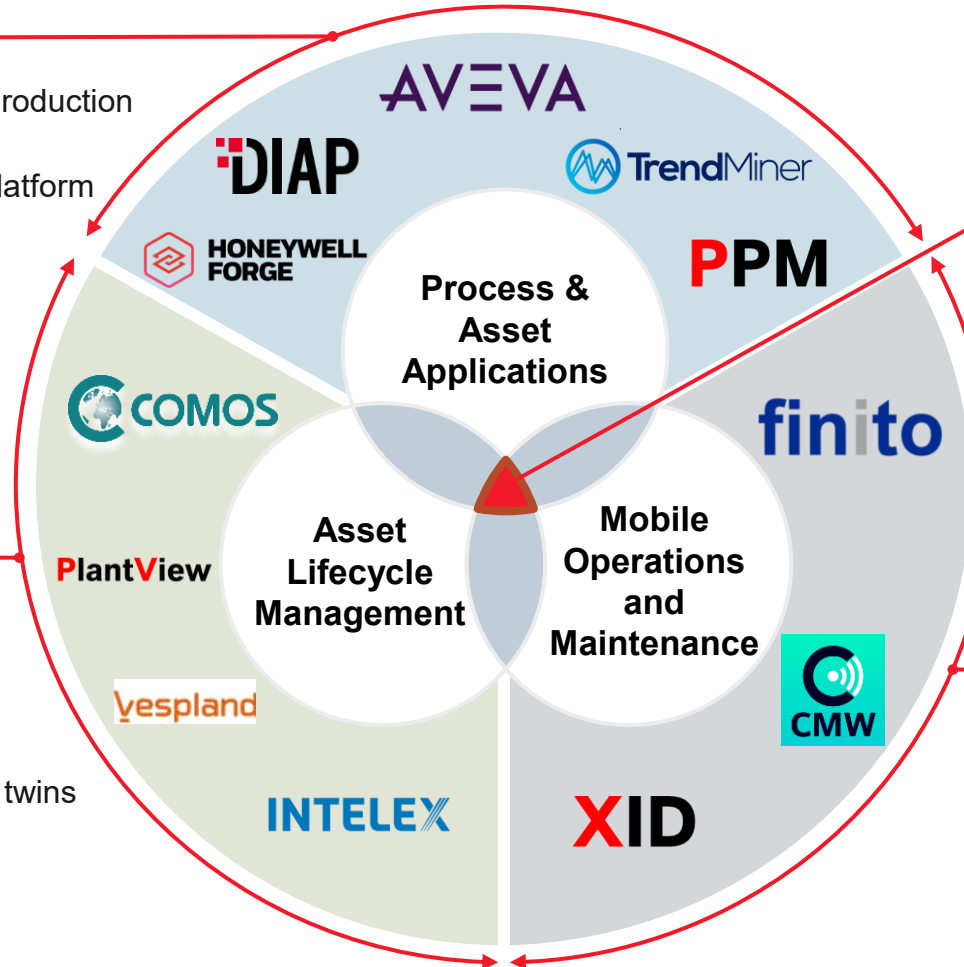
- **AVEVA PI System** — central archive for all production data
- **DIAP** — central data integration & analysis platform
- **TrendMiner** — self-service analytics
- **AVEVA Predictive Analytics** — predictive maintenance

Asset Lifecycle Management:

- **COMOS** — integrated asset lifecycle data system
- **Vespland** — PCT equipment lifecycle management
- **PlantView** — photo-realistic digital process twins
- **Intelex** — EHS management

Mobile Operations & Maintenance:

- **COMOS Mobile Worker** — digital checklists in the field
- **FINITO** — digital shift book
- **xID** — digital signs for equipment



Joint approach within LANXESS

AVEVA PI System: cornerstone of digitalization



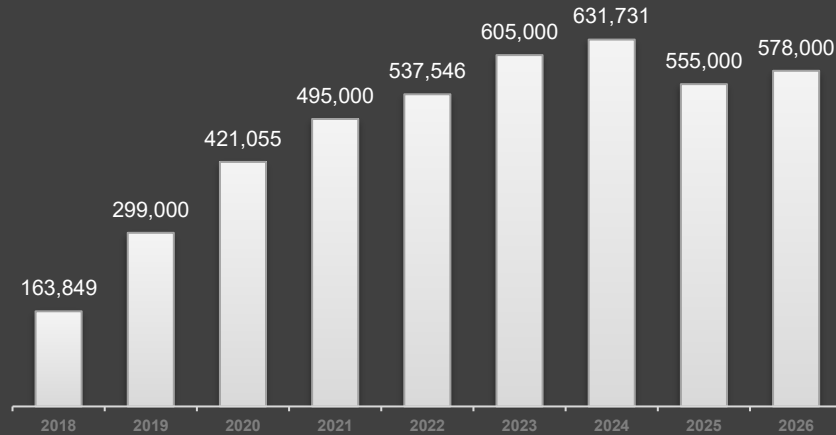
PI Gateways

OPC DA : **153**

OPC UA : **3**

Others : **53**

PI Tags



Challenges

- Identity Management at enterprise scale
- OPC-UA: scale-up in an enterprise environment
- Edge instrumentation strategy



PI Asset Framework

AF Database
54

AF Analytics
801,591

AF Template
6750

Plants in Production System



80

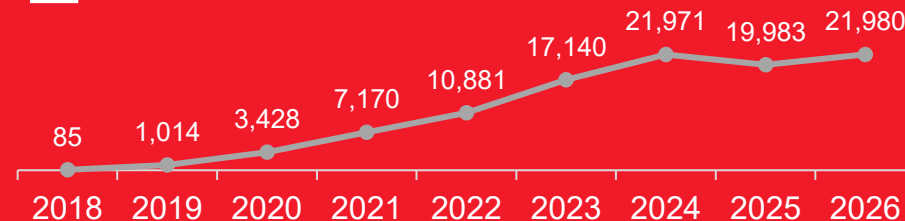
User in Production System



~2900



PI Vision Displays



AVEVA Predictive Analytics has demonstrated considerable value



Boiler wall crack

- Boiler wall crack — rising scrubber temperature
- Detected 2 days before Thermal Oxidizer shutdown
- Repair & drying works avoidable with PdM

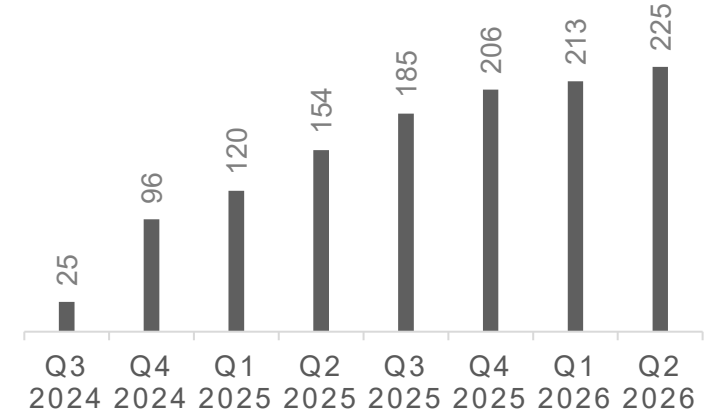


Lube oil issues

- Lube oil pressure drop — still above alarm thresholds
- Inspection revealed defective pressure measurement
- Severe machine damage avoided



Models implemented

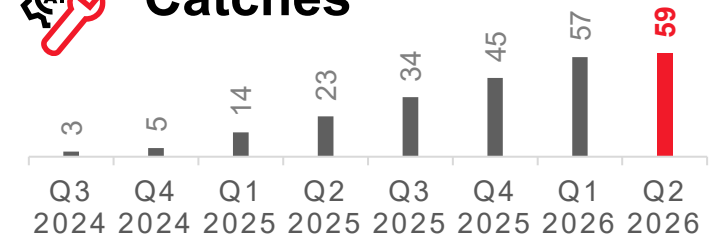


Lost margin and repair costs avoidable

Machine damage & production loss avoided

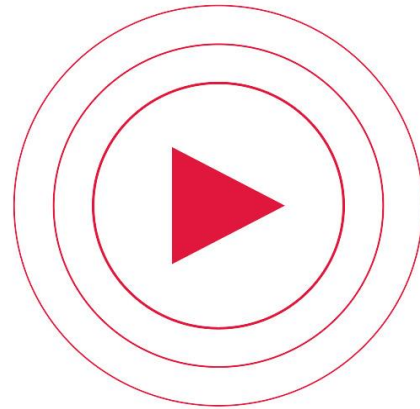


Catches



Predictive Maintenance in action

Real results at LANXESS



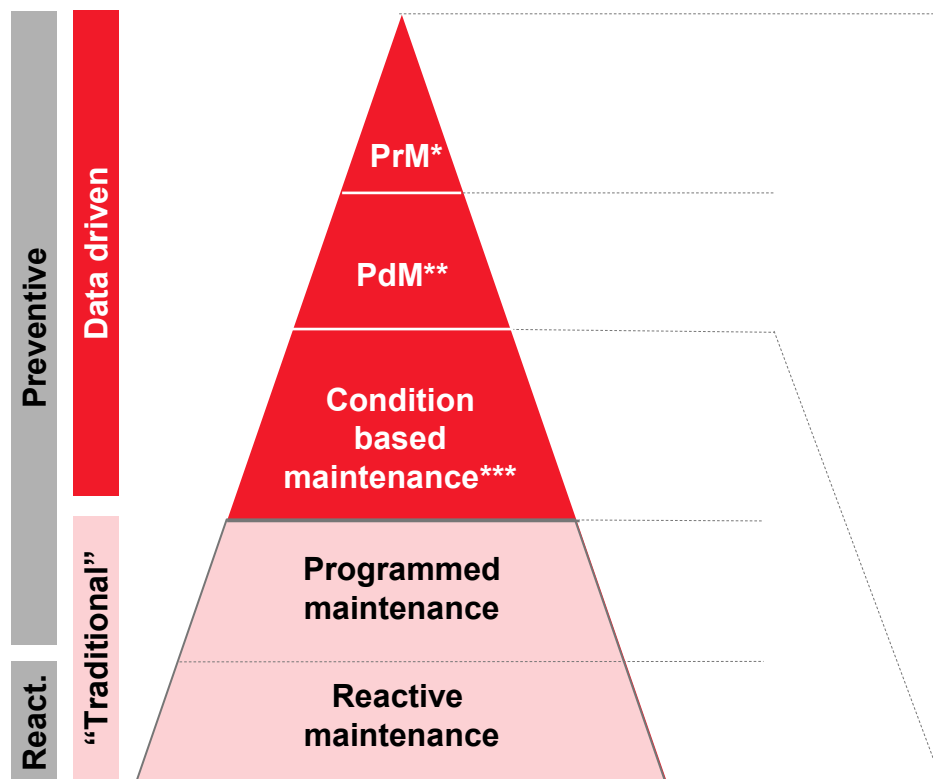
Predictive Maintenance in action

Real results at LANXESS

Maintenance strategies

Critical equipment require data driven maintenance strategies

Different maintenance strategies



AI has a huge potential in boosting predictive into prescriptive maintenance

- By creating monitoring models based on asset documentation and historian data
- By accessing company's knowledge while analyzing anomalies

* Prescriptive Maintenance (PrM): Identifies an issue at an early stage and proposes what to do for prevention or repair. Uses multiple equipment and process data variables.

** Predictive Maintenance (PdM): Detects abnormal behavior and known failure patterns at an early stage. Uses multiple equipment and process data variables.

*** Condition based maintenance: Monitors equipment and process data continuously or regularly and warns if thresholds are exceeded.

CONNECT at LANXESS

Bridging our data with the analytics ecosystem

Scaling expertise is our bottleneck:

- Expertise gaps across asset types
- Scale problem on non-critical assets
- Vendor tools blind to process context
- Insights trapped in silos



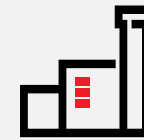
Analytics as a service

Specialized equipment analytics beyond our in-house models



Expert on demand

On-demand expertise, e.g., vibration & rotating equipment



Utility provider

Forecast consumption & price of power



Extended workbench

Sharing process context with partners for joint insights

Where AVEVA can help: seamless data sharing across tenants, connect partners, governance for cross-vendor analytics.

From data to prescriptive operations

Our journey – and what's next

Foundation works.

AVEVA PI System scales across 80 plants, ~600k tags, 2,900 users – the data backbone is in place.

Predictive pays off.

225 models live, 59 catches and counting – avoided damage and lost margin in the low 7-digit range.

Prescriptive is next.

AI plus our process knowledge is the path from detection to recommendation.

The next chapter

Less alarms, more answers.

The formula

Data is the fuel. AI is the engine. Domain expertise is the driver.



LANXESS

Energizing Chemistry



Questions? Let's continue the conversation.

Bastian Jana · LinkedIn

LANXESS is transforming operations and maintenance through digitalization

Challenge

- Scaling OPC Unified Architecture in an enterprise environment (standardizing and growing connectivity beyond traditional OPC Data Access)
- Develop an edge instrumentation strategy to support reliable, scalable data capture at plant level.
- Expertise gaps across asset types and vendor tools blind to process context
- Insights trapped in silos making it hard to share/operationalize

Solution

- Deployed AVEVA™ PI System™ as a central archive for all production data and AVEVA™ Predictive Analytics for predictive maintenance

Results

- Scaled AVEVA PI System across 80 plants, ~600k tags and 2,900 users to form a data backbone
- Predictive maintenance value demonstrated with 225 models live and 59 “catches” (as of Q2 2026), avoided damage and lost margin in the low 7-digit range
- Boiler wall crack detected 2 days before thermal oxidizer shutdown; avoidable repair and drying work
- Lube oil issue identified while still above alarm thresholds; avoided severe machine damage and production loss

