SAM GUARD®

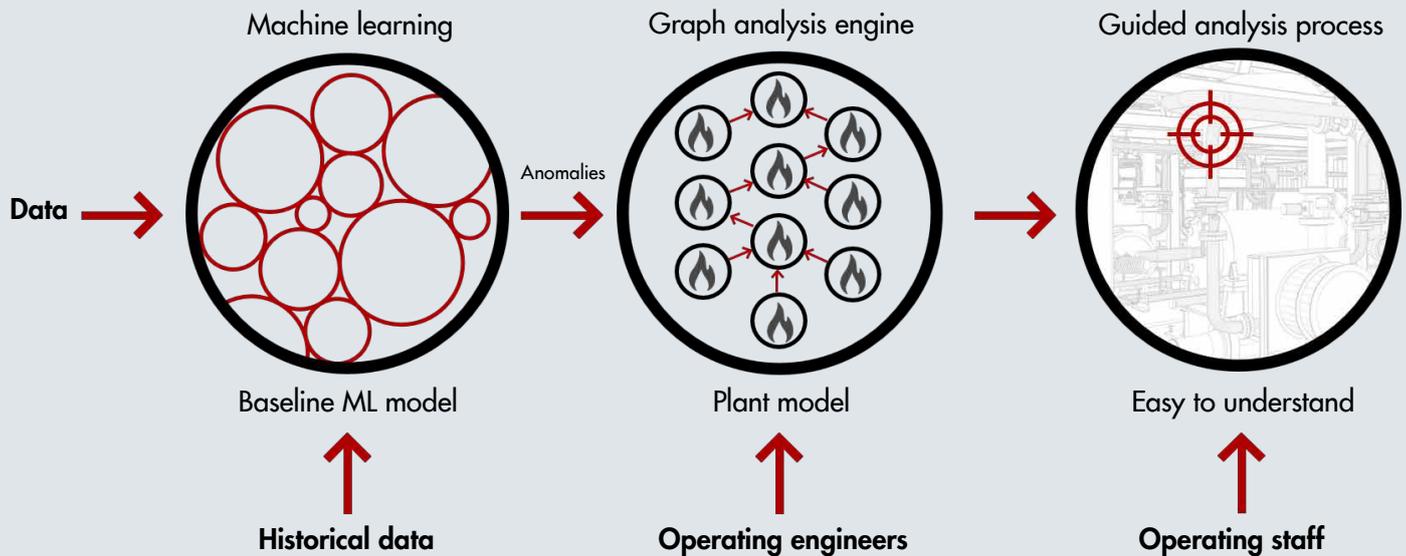## Predictive Analytics For The Process Industry

SAM GUARD®, a predictive analytics software for the process industry, quickly and accurately identifies equipment failures and suspicious operating modes days to weeks in advance. It provides an average of five accurate, actionable alerts per day.

SAM GUARD®'s combined technologies of AI and HI (Human Enhanced Machine Learning) enable you to increase your plant's availability, performance and production.

SAM GUARD® enables you to:

- Detect equipment failures ahead of time
- Identify suspicious process behavior
- Identify suspicious operating modes
- Analyze the root causes of anomalies

SAM DIGITAL

Human Enhanced Machine Learning

Machine learning

Graph analysis engine

Guided analysis process

Data

Anomalies

Baseline ML model

Plant model

Easy to understand

Historical data

Operating engineers

Operating staff

Covers the entire plant
With few historical events and the interconnectedness of process plants, you never know where the next failure will occur. With SAM GUARD®, there is no need to select what to monitor, you can simply keep track of everything.

No alert fatigue
Instead of hundreds of alerts per day, SAM GUARD® generates an average of five alerts, giving you early, actionable warnings.

One to two weeks of implementation
Due to a swift implementation process and no hardware required, SAM GUARD® is up and running in short time to analyze plant's data and triggers alerts.

No data scientists needed
Alerts are analyzed by your plant's operating staff. Full support is available.

SAMSON AKTIENGESELLSCHAFT

SMART IN FLOW CONTROL