

# **SAM GUARD®**

## **AI-BASED PREDICTIVE MONITORING**

FOR THE PROCESS INDUSTRY



### **GIVE YOUR PLANT**



**Improved  
Reliability**



**Gains in  
Production**



**Reduced Costs  
and Downtime**

#### **SAM GUARD®**

A POWERFUL COMBINATION OF ADVANCED AI SOFTWARE AND HUMAN DOMAIN KNOWLEDGE

- SAM GUARD®'s AI-powered early alerts give you time to prepare a plan of action, long before the discovered issues have a significant impact on your plant. The earlier you detect a failure, the less it costs to repair it and the equipment is most often still recoverable.
- SAM GUARD® uses AI to monitor your critical and regular equipment, both static and rotating, to ensure 100 % coverage of all your assets.
- SAM GUARD® uses both unsupervised and supervised AI to ensure that you receive alerts on known, repeating issues in addition to discovering unknown issues without human guidance.

#### **SAM GUARD®**

ANALYTICAL MONITORING SERVICES

- Our analytical monitoring engineers support you throughout the entire project, from building the plant's digital twin to continuously analyzing the SAM GUARD® alerts. They work with your team to review these valuable findings.

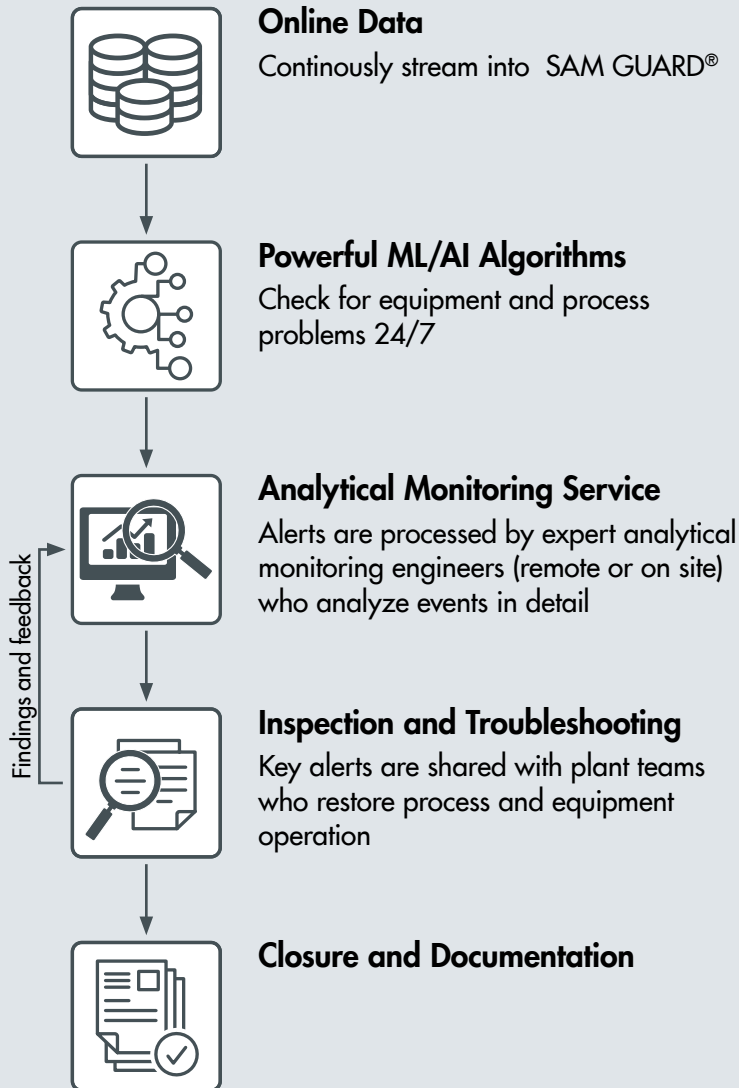
#### **SAM GUARD® CUSTOMERS**

- Saved up to \$1M in potential production loss
- Avoided downtime – increased reliability by 10 %
- Avoided cost – reduced cost of repair by 5 %

**SAM**<sup>®</sup>  
DIGITAL

**SMART IN FLOW CONTROL**

# HOW SAM GUARD® WORKS



- Covers the entire plant, not just a specific part or equipment
- Rapid onboarding  
Up and running in 1 to 2 weeks, no additional hardware required
- Detects unexpected issues  
Equipment failures, process deviations, blockages, overflows etc.
- Analytical monitoring engineers support you and minimize the workload on your plant team

## ABOUT SAM GUARD®

SAM GUARD® is a software and service solution developed by Precognize, a SAMSON company. Precognize is an innovative AI company honored as a Technology Pioneer by the World Economic Forum in 2018. It was acquired by SAMSON, a company with 113 years of experience in the process industry and 4,500 employees worldwide.

Visit us @ [www.precog.co](http://www.precog.co)

**SMART IN FLOW CONTROL**