

# 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.

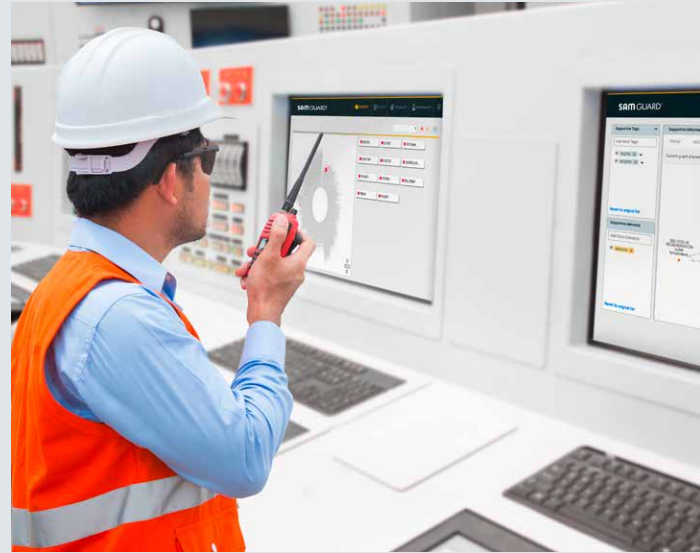
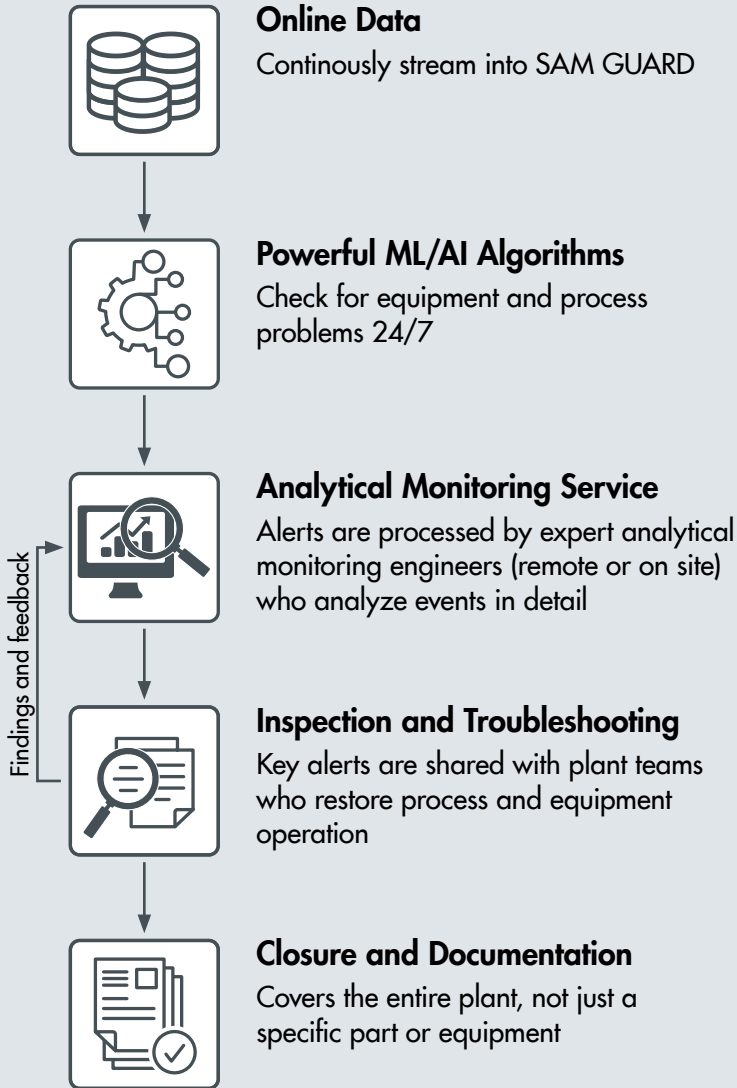
#### SAM GUARD CUSTOMERS

- 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