

SAM GUARD[®]

AI-BASED PREDICTIVE MAINTENANCE

FOR THE PROCESS INDUSTRY

GIVE YOUR PLANT



**Improved
Reliability**



**Production
Gains**



**Reduced Repair
and Labor Costs**

SAM GUARD offers 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 make a significant impact on your plant. The earlier you catch a failure, the less it costs to repair, and the equipment is most often still salvageable.

SAM GUARD CUSTOMERS

- Saved up to \$1M in potentially lost production
- Increased reliability by 10%
- Cut repair costs by 5%
- Reduced labor costs by 8%

SAM GUARD ANALYTICAL MONITORING SERVICE

The next problem could pop up anywhere in your plant, in any type of equipment, so monitor every aspect with SAM GUARD AI-based predictive maintenance solution.

SAM GUARD offers a powerful combination of advanced AI software and human domain knowledge.

Seemingly small problems in minor equipment such as valves or fans can negatively impact plant availability, productivity and quality.

SAM GUARD uses AI to monitor your critical and regular equipment and static and rotating equipment, to ensure 100% coverage of all your assets.

HOW SAM GUARD WORKS



Online Data

Continuously streams into SAM GUARD



Powerful ML / AI Algorithms

Tirelessly "looks" for equipment & process problems 24/7



Analytical Monitoring Center

Reported alerts are processed by an analytical monitoring engineer (remote or on site) who analyzes the event in detail

Findings & Feedback



Inspection & Troubleshooting

Relevant alerts are shared with plant teams who restore process & equipment operation



Closure & Documentation



- **Covers the entire plant**
Not just a specific part or equipment
- **Expertise in digital culture shift**
Our network of experts manages your analytical monitoring center and drives digital transformation
- **Detects unexpected issues**
Equipment failures, process deviations, blockages, overflows, etc.
- **Rapid onboarding**
Up and running in 1-2 weeks, no hardware required

Sign Up for SAM GUARD's Analytical Monitoring Center. Our analytical monitoring engineers will implement the SAM GUARD service and ensure AI is working for your plant in just two weeks.



ABOUT SAM GUARD

SAM GUARD is a software and service solution developed by Precognize, a SAMSON company. SAMSON, a company with 113 years of experience in the process industries, with revenue of more than \$700M, 4,500 employees worldwide acquired Precognize, an innovative AI company identified as a Technology Pioneer by the World Economic Forum in 2018.