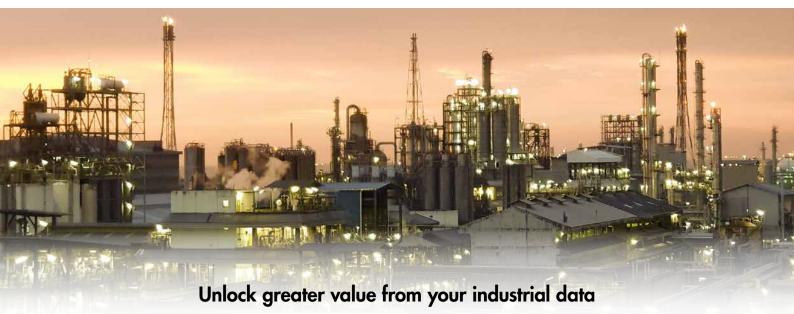
SAM GUARD® AI-BASED PREDICTIVE ANALYTICS

FOR THE PROCESS INDUSTRY











Reduce cost of maintenance



Minimize flaring



Optimize energy use



Minimize emissions

A POWERFUL ADVANCED AI PLATFORM

- SAM GUARD®'s Al-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, process parameters, and quality by continuously analyzing thousands of sensors in real time.
- SAM GUARD® uses both unsupervised and supervised AI to discover unknown issues without human guidance in addition to known, repeating issues.

DIGITAL TRANSFORMATION SERVICES

Our digital transformation experts support you throughout the entire project, from building the plant process model to continuously analyzing the SAM GUARD® alerts. They work with your team to review valuable findings.

SAM GUARD® results

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



SAM GUARD®

AI-BASED PREDICTIVE ANALYTICS

FOR THE PROCESS INDUSTRY



How SAM GUARD® works







Powerful ML/AI algorithms

Check for equipment, process and quality problems 24/7



Digital transformation services

Investigate detected alerts and provide the most valuable insights to the plant team



Conduct inspections and make informed decisions to ensure precise action is taken in the plant

Closure and documentation

Each alert is documented with plant team feedback

Findings and feedback



Why customers choose SAM GUARD®



Expertise

Domain knowledge. SAM GUARD® and SAMSON, a global manufacturing leader, unite their expertise and agile software solutions to drive customer success



Implementation

Quick and easy onboarding. No additional hardware required. Independent from automation platforms



Algorithms

Patented Al-based algorithms and plant process model to cover the whole plant and predict upcoming known and unknown failures



Full coverage

Each device, piece of equipment and sensor. Capable of recognizing anomalies in equipment, processes and quality



Service

Maximize value from SAM GUARD® with our digital transformation experts



Visit us @ www.precog.co for success stories, references and further information.

