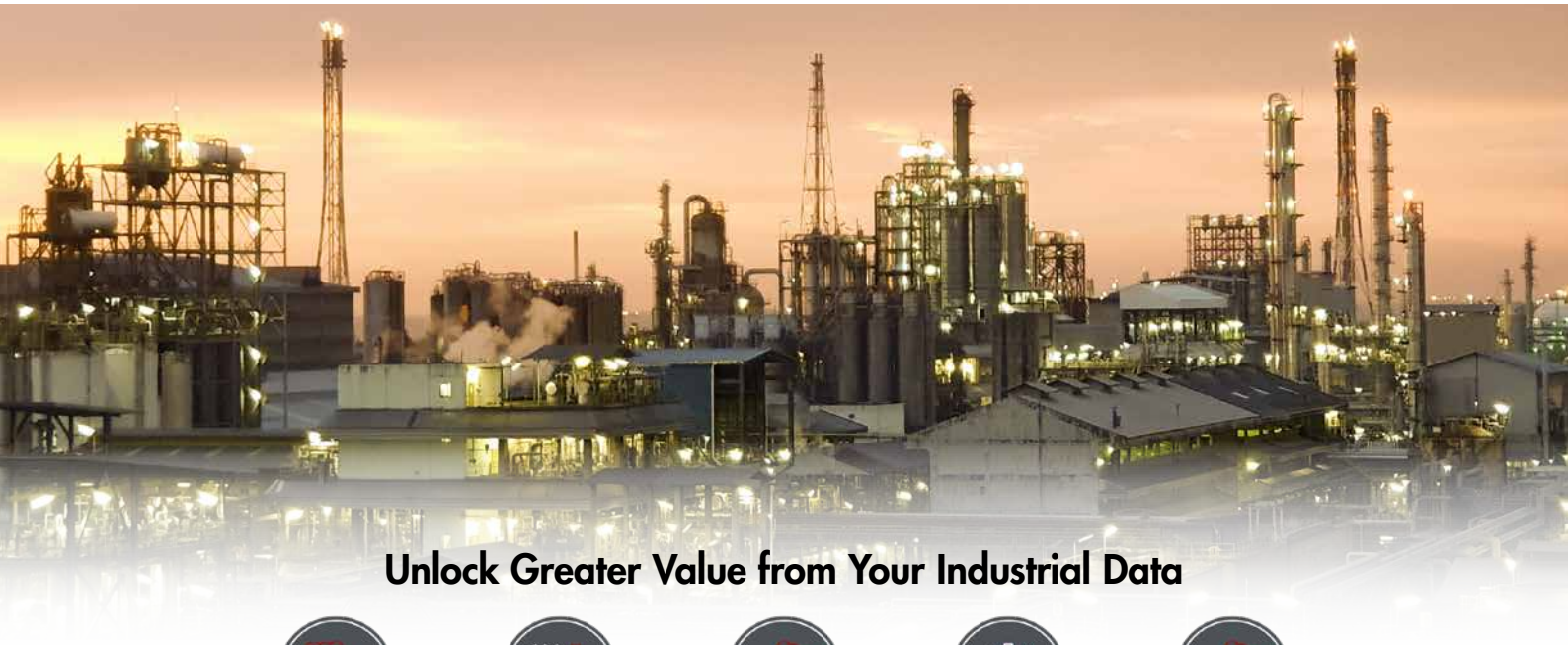
SAM GUARD®

AI-BASED PREDICTIVE ANALYTICS

FOR THE PROCESS INDUSTRY



Unlock Greater Value from Your Industrial Data

- Maximize Production
- Reduce maintenance cost
- Minimize Flaring
- Optimize Energy
- Minimize Emissions

A POWERFUL ADVANCED AI PLATFORME

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

DIGITAL TRANSFORMATION SERVICES

- Our digital transfomation 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® DIGITAL

SMART IN FLOW CONTROL

SAM GUARD®

AI-BASED PREDICTIVE ANALYTICS

FOR THE PROCESS INDUSTRY

How SAM GUARD® Works

Online Data
Continously stream into SAM GUARD®

Powerful ML/AI Algorithms
Spots for equipment, process and quality problems 24/7

Digital Transformation Services
Investigate detected alerts and conveyed the most valuable insights to the plant team

Inspection and Troubleshooting
Conduct inspections and make informed decisions to ensure precise actions 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 on-boarding. No additional hardware required. Independent from automation platforms

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

Full Coverage
Each device, 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.

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SMART IN FLOW CONTROL