PREDICTIVE ANALYTICS
FOR THE PROCESS INDUSTRY

INCREASE YOUR PLANT'S AVAILABILITY, PERFORMANCE, AND PRODUCTION

SAM GUARD predictive analytics software for the process industry quickly and accurately identifies equipment failures and suspicious operation modes days to weeks in advance. It provides early, accurate, and actionable alerts at an average of 5 a day.

SAM GUARD's combined technologies of AI and HI (Human enhanced machine learning) enable you to achieve maximum availability, performance and production.

SAM GUARD ENABLES YOU TO:

- Detect equipment failures ahead of time
- Identify suspicious process behavior
- Identify suspicious operation modes
- Detect quality issues
- Analyze root cause with SAM GUARDS'S Sandbox

"With SAM GUARD you get to all the darkest corners of your plant. You don't just monitor the part you believe is giving you trouble. You monitor EVERYTHING. Because in a complex plant like ours, you never know where the next failure will show up".
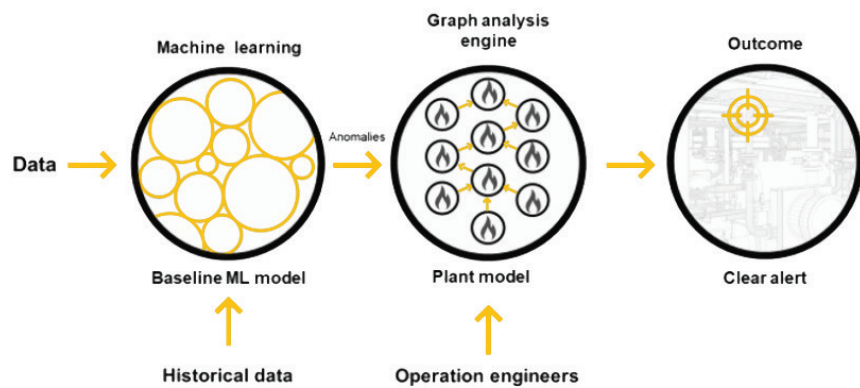**Process Engineer**, Refinery

SAMGUARD®

LEARN MORE: WWW.PRECOG.CO

HUMAN ENHANCED MACHINE LEARNING

THE BEST PREDICTIVE ANALYTICS SOFTWARE FOR THE PROCESS INDUSTRY

- **Covers the entire plant**
  With few historical events and the interconnectedness of process plants, you never know where the next failure will appear; with SAM GUARD you don't need to pick and choose what to monitor, simply track everything.

- **No alert fatigue**
  Instead of hundreds of alerts per day, SAM GUARD generates an average of 5 alerts, giving you early, actionable warning.

- **Two-week implementation**
  With a swift implementation process and no hardware required, SAM GUARD is up and running quickly, analyzing your plant's data, triggers actionable alerts.

- **No data-scientist needed**
  Alerts are analyzed by the plant's operation staff, with no specialized training needed.

"We have 5 fans working on the line, SAM GUARD gave us clear alerts on a specific malfunctioning fan, although all looked the same for us. Only when looking at the combination of parameters offered by SAM GUARD, we could identify the problem. SAM GUARD enabled us to see the specific fan that was going to fail. We were given alerts two weeks in advance, changed the malfunctioning part and saved on the cost of the fan, plus 5 days of a costly shutdown".

Mechanical Engineer, Chemical Plant

PRECOGNIZE
A SAMSON COMPANY

Precognize is a predictive analytics software company addressing the process industry. It is part of SAMSON, headquartered in Frankfurt, Germany, specializing in control valve engineering. Precognize combines sophisticated technologies of AI and HI (the plant engineers' knowledge) to achieve maximum asset's availability, performance and quality. Precognize has been nominated as Technology Pioneer 2018 by World Economic Forum, as the Enabling Technology Leadership Award for Predictive Maintenance for Heavy Industries, Europe, by Frost & Sullivan, and participates in various European Industry 4.0 initiatives. Precognize's patented, unique, and innovative technology with SAMSON's hundred plus years of expertise, integrity, and global presence are set to expedite the digital transformation journey of the process industry.

LEARN MORE: WWW.PRECOG.CO