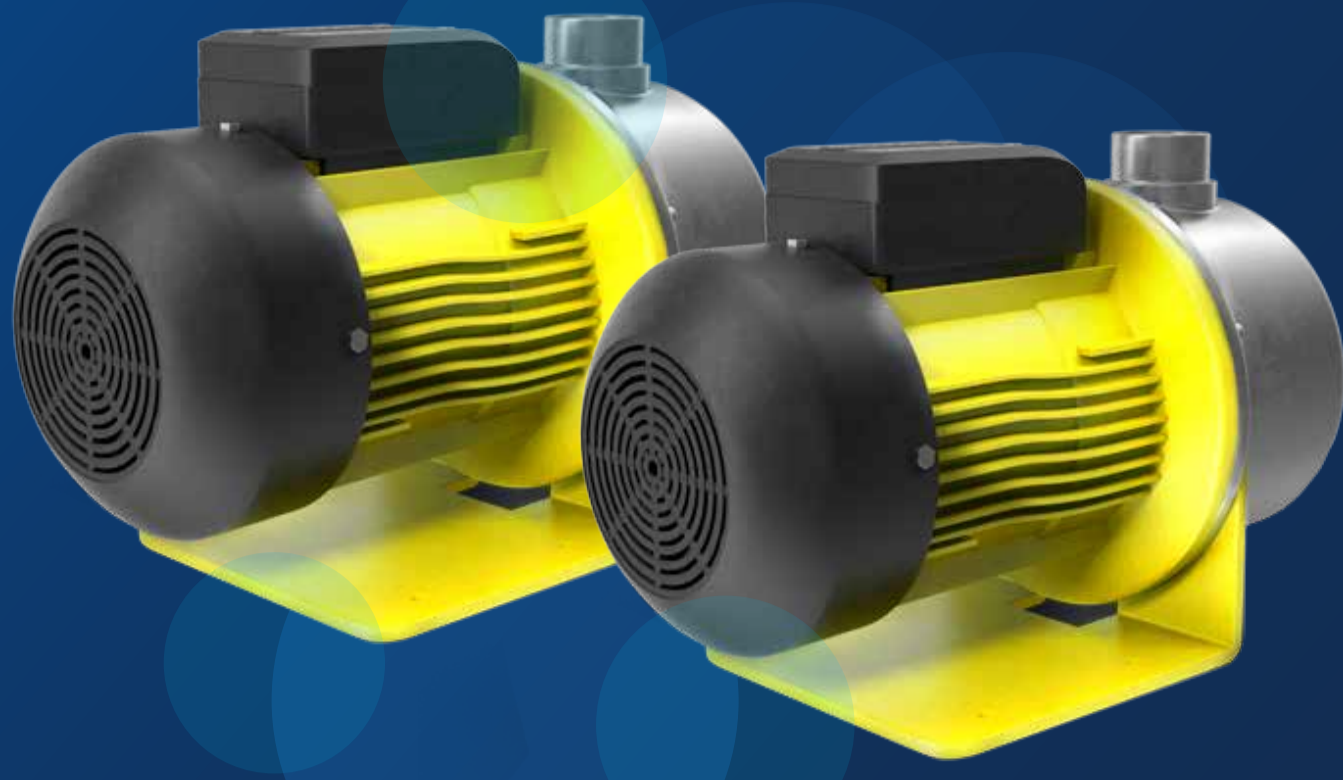# SmartSignal from GE Digital

SmartSignal is a predictive maintenance solution to detect and prevent emerging equipment failures–driving improved reliability with maximum O&M efficiency.

SmartSignal is available on-premises, in the cloud, and as an integrated component of GE Digital APM.

Do you know which motor will fail first?

With SmartSignal, every piece of equipment is unique, as reflected in its own historical data and our approach to monitoring its performance via Digital Twin technology. SmartSignal Digital Twin analytic blueprints are available for over 320 equipment types across OEM providers.

Offshore oil & gas operators have 27 days/year of unplanned downtime

Unplanned downtime in the energy industry costs $1-2+MM per day

Utilities workforce spends 20% of time on reactive work

SmartSignal with Digital Twin analytics enables you to proactively address emerging issues. Stop guessing and start predicting.

Monitoring over 16,000 assets worth $37B across industries around the world.

Predict

Anomaly Detection
SmartSignal detects and identifies abnormal behavior by the differences between real-time actual data and predicted, normal behavior — not by fixed value thresholds.

Forecast

Time-To-Action Forecasting
Time-to-action analysis uses multiple analytics to forecast when equipment will actually reach an alarm limit and require immediate remediation.
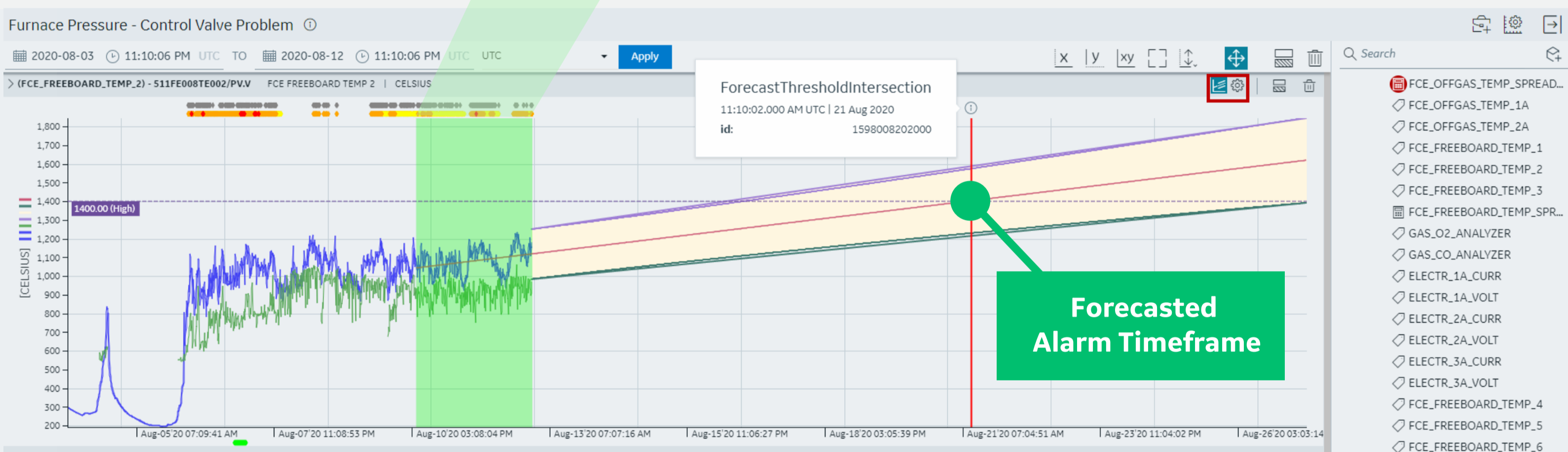
Diagnose

Diagnostic Analysis
From experience with over 12,000 assets, anomaly notifications are compared with precursor signatures to provide an apparent cause for each developing problem.

Furnace Pressure - Control Valve Problem

ForecastThresholdIntersection
11:10:02.000 AM UTC | 21 Aug 2020
id: 1598008302000

Forecasted Alarm Timeframe

VISUALIZE   ANALYZE   ACT

SmartSignal's rich visualization, analysis and case management tools provide a full closed-loop solution for predictive maintenance. Reliability and maintenance engineers can investigate alerts, perform root cause analysis, determine immediate and long-term maintenance strategies, and track ultimate success.

OUR MONITORING CENTER OR YOURS

Predictive Maintenance made simple with GE Industrial Managed Services

GE management of your SmartSignal solution provides 24x7 asset monitoring, issue triage and notification, remediation guidance, analytics management, and strategy consulting – available with software purchase/subscription or as a turnkey outsourced offering.

BENEFITS

$1.6B+
Customer Production & Mechanical Losses Avoided

3.41 months
Average Customer Return on Investment

Up to $60MM
Up to $60 Million Loss Avoided Per Notification

Find Out More