

THERMAL IQ

Unleash Your Thermal Process Data to Drive Better Business Outcomes

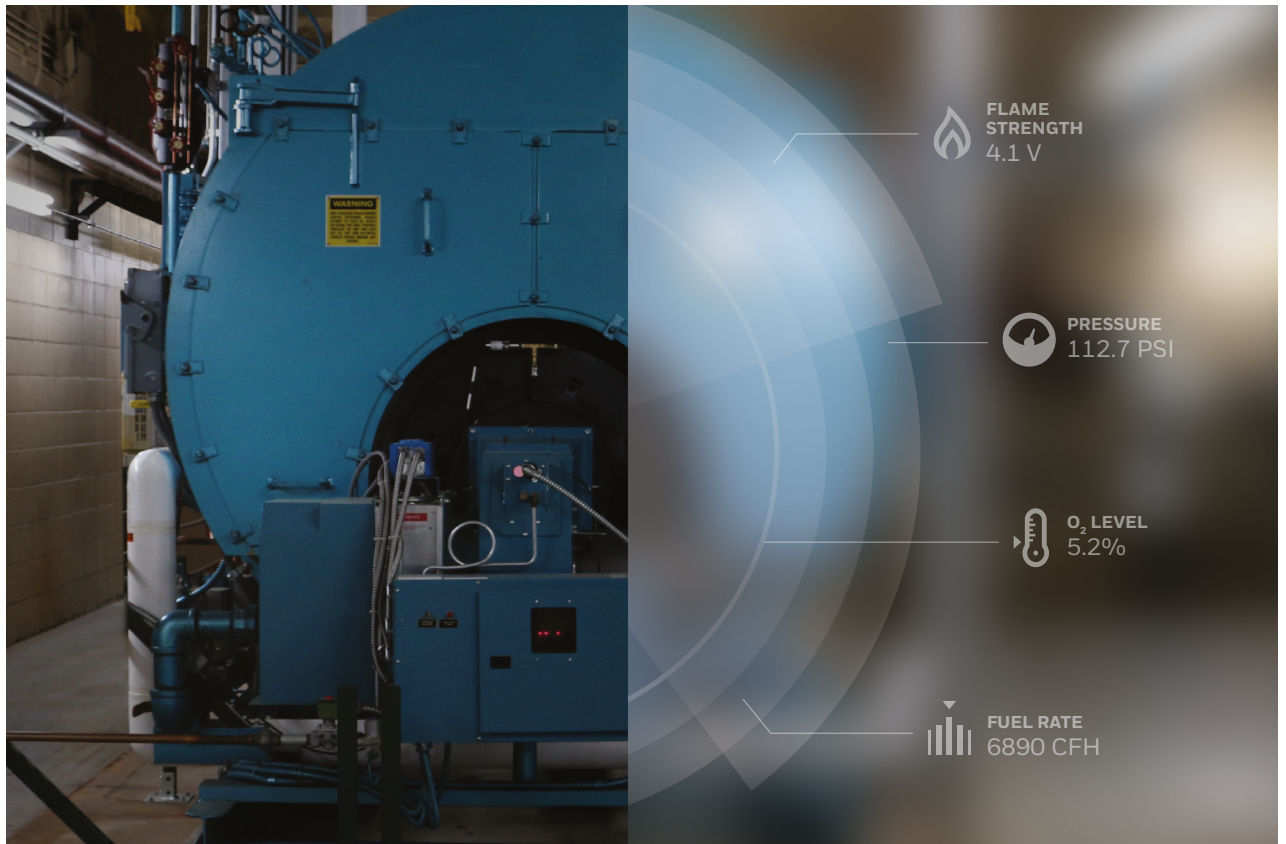


Honeywell

ELEVATE YOUR THERMAL INSIGHT QUOTIENT WITH THERMAL IQ

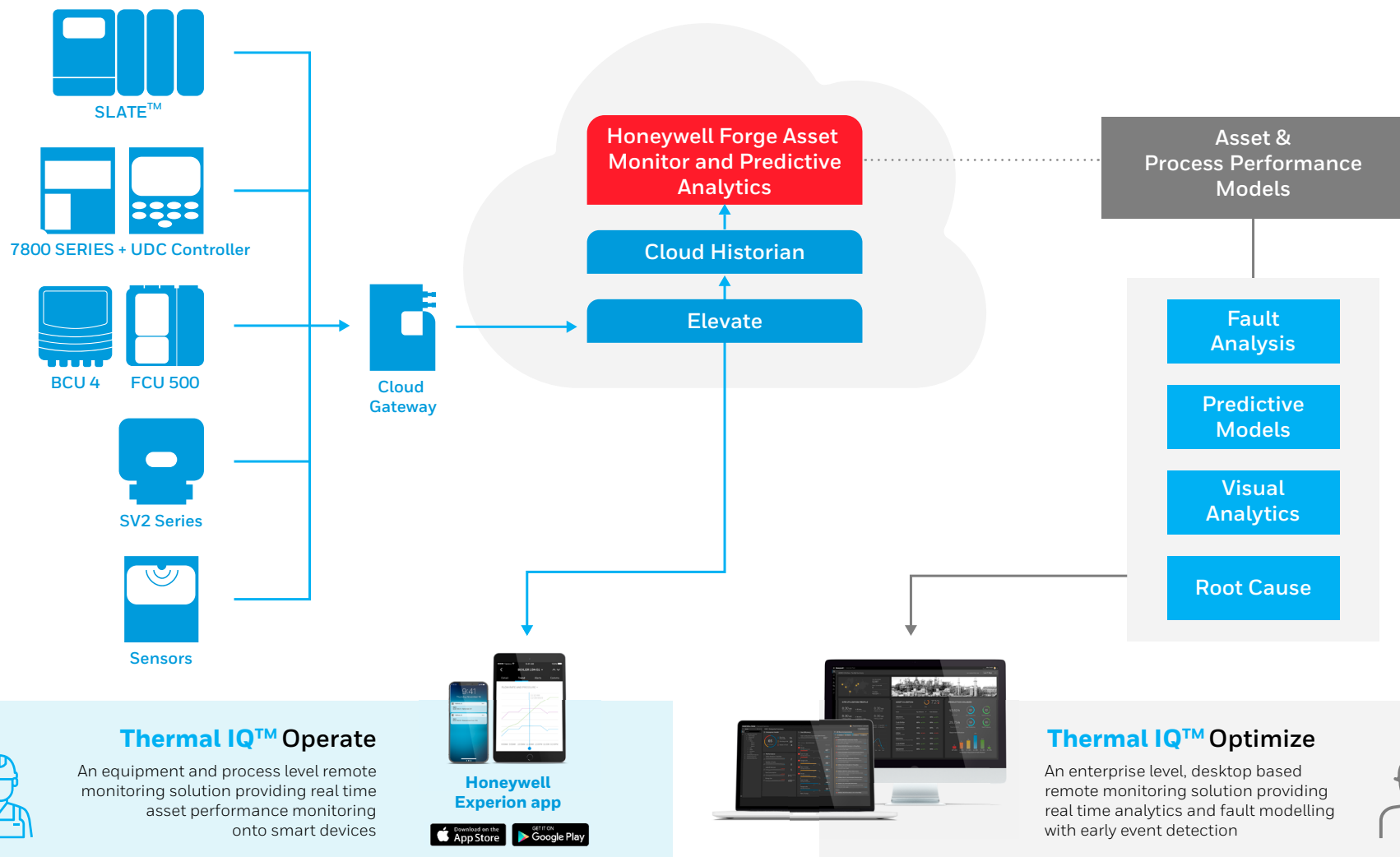
Honeywell's Thermal IQ™ platform automates the process of extracting long-hidden thermal process data and helps you drive better business outcomes with real-time thermal analytics developed by Honeywell's thermal process experts.

- Deploying Thermal IQ platform helps ensure your facilities run safer, more reliable and efficient with greater capacity while becoming more competitive and profitable.
- Proactively identify and minimize the costs of thermal system related unplanned downtime.
- Centralized access to all thermal performance data.
- Scalable solutions customizable to every industry, organization, and role.
- Cloud-based, cyber secure delivery system allows you to quickly realize business benefits with minimal investment.
- Fill knowledge gaps by leveraging the centralized thermal process insights from the Honeywell Thermal Solutions experts.
- Implement faster and more cost effective solutions by empowering your onsite and 3rd party service providers with the right information the first time.



THERMAL IQ PLATFORM

A remote monitoring solution that securely connects your combustion equipment to the cloud, making critical thermal process data available anytime, anywhere, on any smart device or desktop.



THERMAL IQ OPERATE REAL-TIME ASSET PERFORMANCE MONITORING

FASTER SERVICE RESOLUTION WITH SMARTER MAINTENANCE

- Key information in the right hands at the right time
- More efficient troubleshooting reduces maintenance costs
- Better First Time Fix (FTF) metrics as technicians bring the right tools and parts the first time
- Easier remote technical expertise and support
- Stay ahead of problems with early alerts about potential failures

Reduction in service cycle times minimizes equipment downtime, **saving up to ~\$25K+ per installation per year** while increasing profitability.



GET THE RIGHT INFORMATION, IN THE RIGHT HANDS,
AT THE RIGHT TIME.



MONITOR

See real-time and trending data, and get alerts when key parameters are outside normal limits.



MANAGE

Connect everyone from management to maintenance with insights that drive smarter decisions.

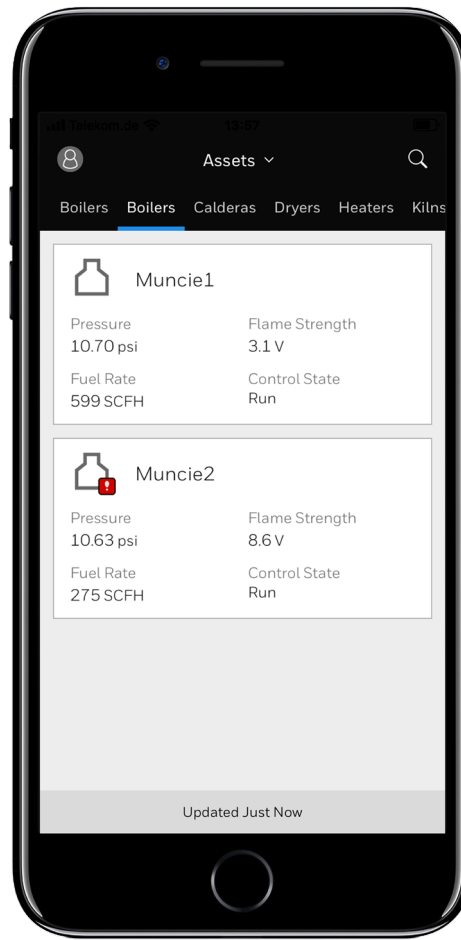


MAXIMIZE

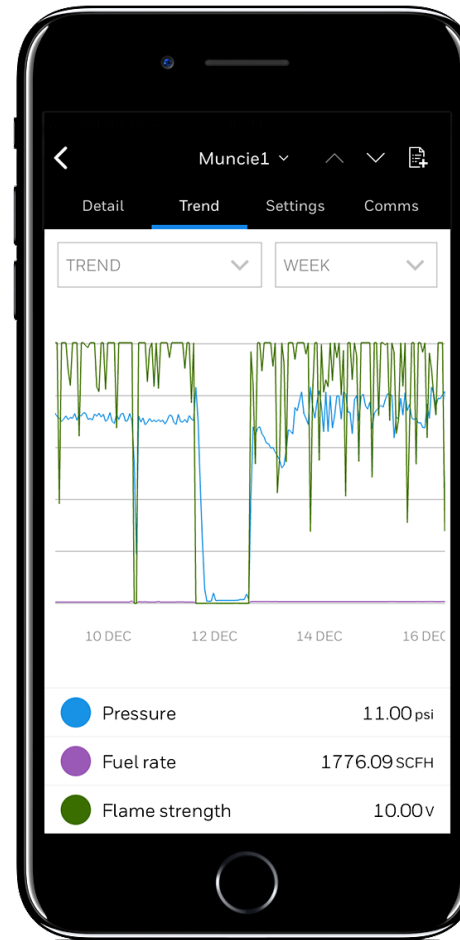
Stop waiting for faults and failures that can lead to shutdowns – get ahead of trouble and maximize uptime.



Get critical alerts and notifications right on your home screen



See high-level overview of all your connected thermal process equipment



Drill down into each piece of thermal process equipment to see current alerts and status of key parameters

Runtime & Lockout	
Runtime today	7.683 hr
Runtime yesterday	23.983 hr
Lockout time today	0.000 hr
Lockout time yesterday	0.000 hr

ENERGY & BOILER TOTALS	
Gas cost today	39.68 \$
Gas cost yesterday	68.48 \$
Steam cost today (\$/10K lbs)	48.96
Steam cost yesterday (\$/10K lbs)	48.74
Gas use today	9923 SCF
Gas use yesterday	17119 SCF
Steam use today	8104 lbs
Steam use yesterday	14048 lbs



See which alarms have been configured with your current system



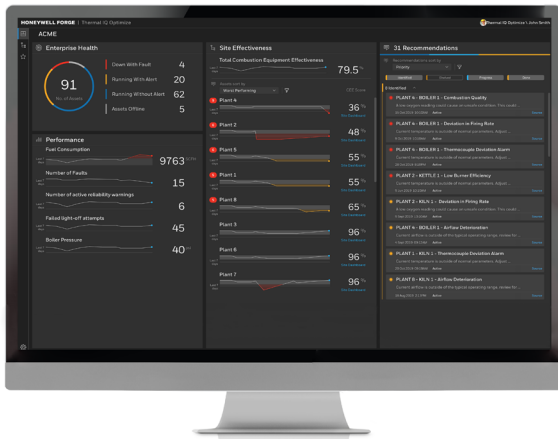
Track historical data by day, week or month to identify trends and opportunities for improvement



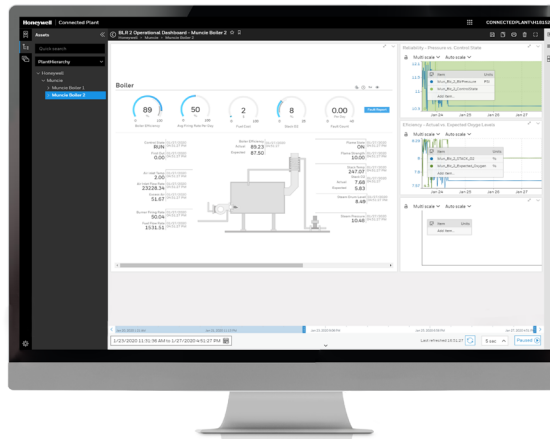
Get troubleshooting tips based upon the alert / alarm

THERMAL IQ OPTIMIZE ENTERPRISE ASSET PERFORMANCE & PROCESS MONITORING

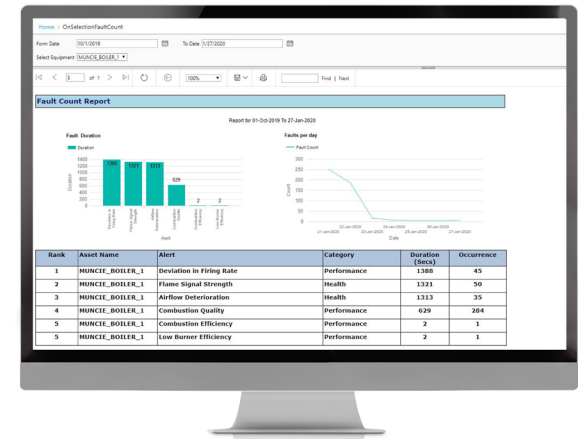
ACHIEVE ENHANCED ENTERPRISE SAFETY, RELIABILITY, AND EFFICIENCY VIA PERFORMANCE VISIBILITY THROUGH A SINGLE LENS.



Enterprise Dashboard



Asset Performance Dashboard



Fault Analytics

CORPORATE THERMAL TEAM MANAGER, GLOBAL MANUFACTURER

"As a business leader, Thermal IQ Optimize provides me the ability to quickly look at overall business performance. Organization visibility also increases collaboration across divisional and plant teams increasing productivity by proactively prioritizing the more reliable systems and plants based upon comparative metrics"

ACTIONABLE INTELLIGENCE FOR BETTER BUSINESS OUTCOMES



Cascading Performance Dashboards

Enterprise, Site, and Asset dashboards filter and cascade performance metrics for every role.



Customizable Architecture

Thermal IQ Optimize is scalable across systems and sites to fit the needs of your organizational dynamics and goals.



Interactive Fault Tree Analysis

Stay ahead of problems by predicting potential failures derived from built-in fault tree analysis and event specific troubleshooting recommendations.

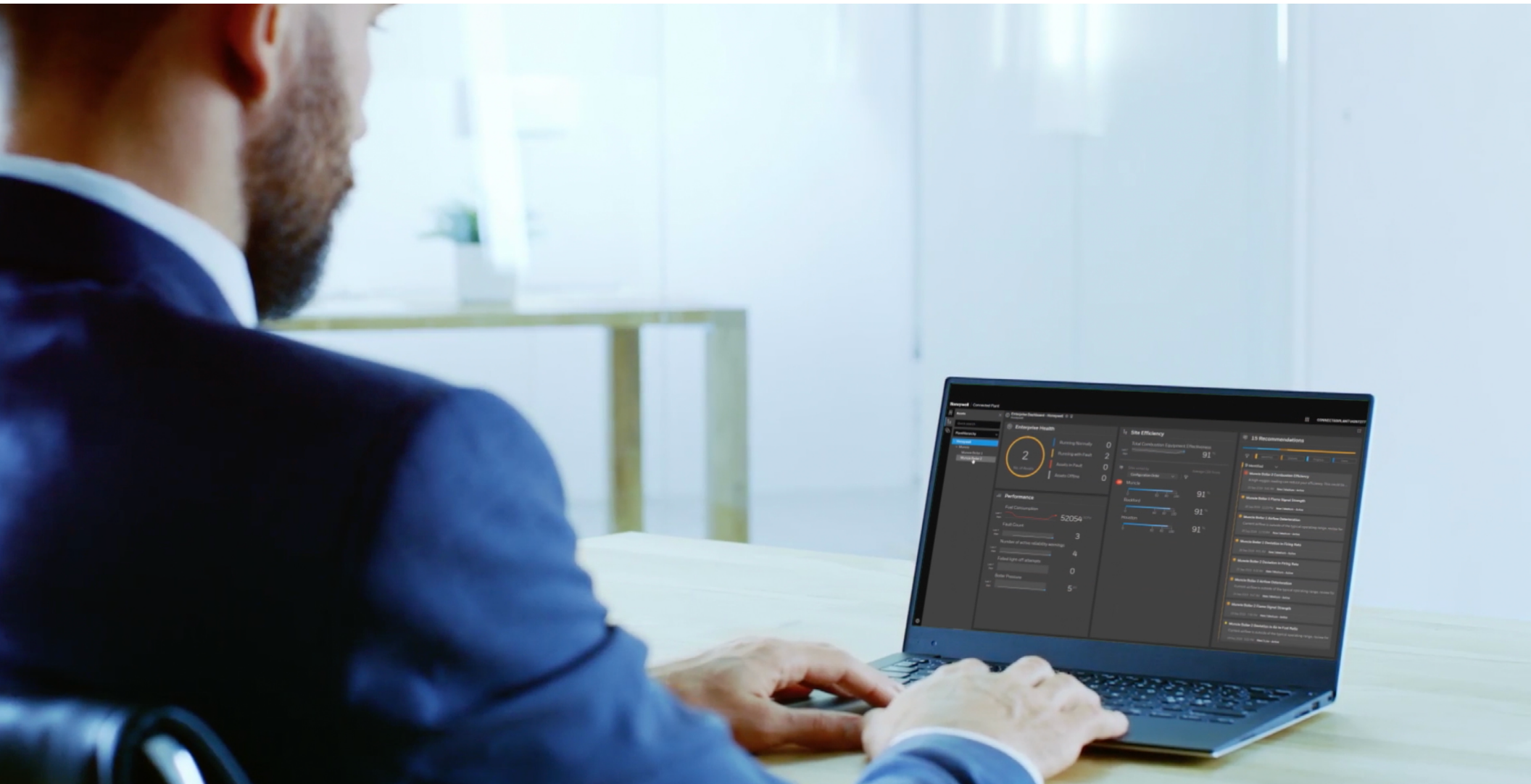


Increase Productivity by using comparative metrics and trending to prioritize more reliable plants and systems.



Prepackaged and Customizable Analytics

Historical trending overlaid with powerful built-in and customizable analysis tools empower leaders and data scientists who are proactively solving hidden and complex problems.





Driving Better Business Outcomes with **HONEYWELL THERMAL IQ**

Taking advantage of the Honeywell Thermal IQ platform means you are tapping into some of Honeywell's most powerful, advanced, and secure software platforms like Elevate, Sentience, and Asset Performance Management which are being used to safely and reliably operate the world's largest and most profitable companies.

Insight above. Performance beyond.

Elevate your Thermal IQ.

Visit HoneywellProcess.com/TIQ or combustion.honeywell.com/thermal-iq to learn more.

For more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschroder and Maxon. To learn more about our products, visit ThermalSolutions.Honeywell.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell