S1

Introducing the next evolution of System 1*

The most technologically advanced condition monitoring software on the planet.

GE's System 1 is the leading condition monitoring software in the world today—enabling you to move from a time-based to a condition-based maintenance program. Used in many industries around the globe, this real-time diagnostics tool is instrumental in helping people to make smarter and more proactive decisions about their operations. Having the right information, in real time, helps to ensure equipment reliability, increase availability, improve safety, protect the environment, and lower maintenance costs.

System 1 is a premier GE Predictivity* solution.

Exemplifying the idea of GE's Industrial Internet, it combines smart machines, people, and data to deliver better results. This software offers you complete visibility into the past, present, and future of your operations by being more adaptable, more flexible, more intuitive, and easier to use than the industry-leading legacy product.

Since System 1 was released in 2000, GE has worked with thousands of customers to learn everything it can. From how they work and what's most important, to what they use to make decisions and keep their operations running smoothly. The result is the new, more intelligent System 1. Use it to manage all your core concerns, including:

→ **Safety and Environment**
Avoid catastrophic consequences caused by unplanned equipment outages with the help of condition-based monitoring tools.

→ **Quality**
Use better knowledge of your plant's operations to improve output and production processes.

→ **Production**
Increase output with precise data around the health and efficiency of your machines.

→ **O&M Costs**
Make better-informed decisions around continuing operations and repairing or replacing your assets that lead to long-term energy cost savings.

One quick look will show you the difference.

When redesigning System 1, GE worked alongside thousands of customers to create an interface that looks as smart as it works. The new interface provides critical information efficiently and intuitively that is useful from the plant floor to the corner office.

Along with simpler displays and enhanced data visualizations, the interface now responds to the context of each asset's behavior—giving you a complete all-in-one view of your production assets to help you make critical operation and maintenance decisions.

The modular architecture design conforms to meet the size and industry-specific demands of your plant. Choose from solution packages that allow you to receive alerts when conditions have changed; identify assets requiring attention before outages occur; and increase productivity.

System 1 allows you to customize your preferences so you can view specific assets exactly how you want to.

NATURAL GAS FIRED PLANT

Decreased outage durations and increased time between outages by

80%

Solutions used:
System 1 Software, 3500 Series Monitoring Systems

PETROLEUM REFINING

Using real time dat[a] hours of downtime, :

$7MM

Solutions used:
System 1 Software, 3500 Se

METHANOL PLANT

Captured rapid change in vibration, saving €1 Million and avoiding

10 DAYS
OF LOST PRODUCTION

Solutions used:
System 1 Software, Machinery Diagnostic Services

Increase uptime and decrease maintenance costs.

The new System 1 software, combined with GE's advanced hardware, sensors, and portable data collection devices, helps you to analyze and diagnose the assets across your plant in real-time.

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Solution packages available:

• Anomaly Localization & Prioritization
• Periodic Data Acquisition & Analysis
• Performance Analysis
• Continuous Data Acquisition & Analysis
• Engineered Rule Sets

The software uses diagnostic indicators to monitor all your plant assets, proactively alert you of assets that need attention, and direct you to the right maintenance decision before any productivity is lost to unplanned downtime.

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saving

CDN

ries Monitoring Systems

COGENERATION PLANT

Saved $1 Million by preventing a generator short and an

8 WEEK OUTAGE

Solutions used:
System 1 Software, 3500 Series Monitoring Systems

PETROLEUM REFINING

Prevented an unplanned outage saving costs of

$10,000
PER HOUR

Solutions used:
System 1 Software, 3500 Series Monitoring Systems

One system. Limitless applications.

Every industry is different. Every company has its unique challenges. System 1 software enables you to choose the package that's best for you. It gives you the flexibility to integrate additional software as it becomes available, and gradually migrate elements of System 1 to conserve budget and resources. Highly-trained experts at GE can help you install and configure the software, as well as analyze critical diagnostic information—no matter where your operations are located—to help you make the best decisions for your site.

To get the most performance and value from your System 1 solution, GE offers a variety of best-in-class services:

- Implementation services
- Adoption services
- Advisory management
- Diagnostic services
- System health maintenance
- Technical support
- Training
- Remote and/or local capability

Making the future more accessible.

Imagine being able to see inside your plant from a different time zone. GE's Bently Nevada* is making this vision of global connectivity possible.

From mobile access to cloud technology, GE is committed to offering ways for high-level executives to get a fleet-level view of their global operations wirelessly. One more way GE is helping people gain access to real-time information, right when they want it.

To learn more about how GE works for you, contact a sales representative or visit system1.ge-mcs.com

www.ge-mcs.com