Bently Nevada Condition Monitoring Product Line

A HOLISTIC APPROACH DRIVING BETTER OUTCOMES.

bhge.com
IT’S NOT JUST A SOLUTION, IT’S A PARTNERSHIP

Baker Hughes, a GE company, is committed to helping you solve your greatest operational challenges. By understanding your business and equipment, we work with you to deliver the most relevant technology and service offerings. Through our deep equipment expertise and ongoing technology investments, we offer solutions tailored to your specific needs.

WHEN PEOPLE LEVERAGE DATA FROM MACHINES, PERFORMANCE IS POSSIBLE

An offshore platform saved $5.2 MILLION with System 1 & Bently Performance

A coal fired plant diagnosed rotor degradation, avoiding 250 DAYS of downtime with System 1 & 3500 Series Equipment Protection Systems

Large refinery with an onsite power generation facility saved $1 MILLION with System 1 & 3500 Series Equipment Protection Systems

A petroleum refinery saved $5 MILLION with System 1 & 3500 Series Equipment Protection Systems
BHGE’s Bently Nevada machine condition monitoring solutions combine advanced hardware, intelligent software and trusted service and support – providing a broader, connected view of your operations. Together, they enable you to mitigate risk, boost safety and reduce maintenance costs.

ONE SOLUTION, ENDLESS POSSIBILITIES

Hardware
Monitoring systems and sensors protect your equipment and collect rich condition monitoring and diagnostic data for analysis.

Software
System 1 software connects real-time and historical data from any type of equipment to help you anticipate failure before it occurs.

Support
Scalable deployment and ongoing support service offerings help ensure that you’re maximizing the value of your condition monitoring program.

IMPRESSIVE EQUIPMENT RELIABILITY, UPTIME AND EFFICIENCY.
MAXIMIZING THE POWER OF DATA FOR SMARTER DECISIONS

From highly critical to less critical equipment, our technology enables better data collection and improved insights across your operations.

Highly critical equipment
Unplanned downtime is the greatest threat to your operations. Avoid major shutdowns, ensure safety and minimize downtime with industry proven rack-based and distributed equipment protection systems. With System 1, online continuous condition monitoring and diagnostic connectivity allows you to respond to real-time operational challenges and plan for maintenance activities.

Critical equipment
Take your data-driven maintenance program to the next level by looking beyond your highly critical equipment. Continuously monitor critical plant wide equipment with cost-effective, basic protection and scanning devices designed to monitor a broad range of equipment. Connect these devices to System 1 to expand your condition-based maintenance program.

Less critical equipment
Periodically monitor your less critical equipment with a portable vibration program. Choose between a suite of devices with a range of hazardous area ratings, including Intrinsically Safe (IS) handheld devices, and manage your program with System 1 to enable condition-based maintenance.
**BHGE’S SYSTEM 1 SOFTWARE IS DRIVING AN INTELLIGENT ASSET STRATEGY**

Get optimized
Expand Connectivity, Monitoring, and Analytics.

**PREDIX**

**Enterprise server**
(Premise or Azure/AWS)
Centralized, accessible enterprise condition monitoring & diagnostics

**Business Network**

**Capture & store data**
Equipment health and reliability management

**Plant server**
(Premise)
Condition monitoring & real-time diagnostics

**Process Network**

Get connected
Understand plant and equipment

- Mid-Critical
  - Plant Wide
- Low-Critical
  - Plant Wide
- Highly Critical
  - Plant Wide
- Turbomachinery
- Reciprocating Compressors
You need to get the most out of your production equipment, while lowering operating and maintenance expenses. We’ll work with you to accomplish that goal. Our Supporting Service Agreements (SSAs) range from installation assistance to 24/7 remote monitoring to onsite condition monitoring program management, designed to maximize the value of your investment in condition monitoring technology.

DECADES OF EXPERIENCE, WHEN AND WHERE YOU NEED IT

3,500+
System 1 software licenses worldwide

160+
System 1 certified field engineers

135+
Equipment diagnostic engineers worldwide
BHGE innovations have been moving industry forward for over a century. Today our machines are smarter than ever, with thousands of sensors that provide us with unprecedented quantities of data. We're committed to utilizing the full potential of that data with digital solutions that help our customers solve some of their biggest problems. The next phase of the Industrial Internet is here, and BHGE is leading the way.