

# Orbit Magazine

---

## Why choose GE's Bently Nevada product line?

**Date :** March 31, 2016



GE's Bently Nevada product line can help you protect your production assets, avoid unplanned events, and schedule condition-based maintenance. With our robust, leading-edge machinery condition monitoring and protection solutions, GE can help reduce your costs while providing you with safer, more efficient and reliable operations.

### Leadership

For more than five decades, the Bently Nevada name has been synonymous with leadership in advanced, high-quality vibration and machinery condition monitoring solutions. The supplier of choice for nearly every major machinery manufacturer in the world, GE pioneered the condition monitoring industry with the commercially practical eddy-current proximity probe, vibration monitors, condition monitoring software and rotor dynamics research. That fundamental knowledge and expertise goes into every product, service and solution we deliver.

### By the Numbers

- More than 25,000 customers globally
- 2 million-plus transducers and monitoring channels installed globally
- More than 8,000 software solutions deployed globally
- Successful completion of more than 30,000 installation, repair, machinery diagnostics, balancing, alignment and system commission projects

# Orbit Magazine

---

- More than 50 years of condition monitoring leadership
- Seven generations of machinery protection systems
- Thousands of customers trained
- 250+ sales, and 450+ service and field engineers in more than 50 countries
- Over 70,000 3500 Series monitoring systems installed globally
- More than 240 international patents issued, including over 150 in the U.S.
- More than 360 international patents pending, including over 95 in the U.S.
- More than 20 years of overspeed detection system offerings

## Quality Commitment

Compliance with Technical Regulations and Standards (TRS) is a top priority for GE in every region and country where our products are sold. Compliance helps you achieve plant operation faster when regulatory inspectors are satisfied, and avoids unexpected regulatory delays.

GE employs a team of experts around the globe who monitor existing and upcoming regulations and continuously work with third parties and local agencies for product testing and certification. As part of our proposal development, we follow a strict Technical Compliance matrix, and we work closely with local customers, original equipment manufacturers (OEMs) and engineering firms to help ensure we make the proper recommendations and quote conforming equipment. If a product does not carry the required markings, it is not compliant.

Another key element of our quality program lies with our Technical Support Portal. It provides direct access to product manuals, technical publications, product and training information, and technical support case requests, as well as many other resources. On average, more than 1,500 technical support cases are opened and closed each month via the portal.

## *Certifications*

Our ISO 90001-certified Quality Management system, 17025\* testing and calibration laboratory competence requirements, and 14001\* (Environmental Management Systems) certifications, as well as OSHA VPP certifications, help ensure consistent products and services with every order. We even go beyond these certification requirements with validation testing on all products we ship. Altogether, GE manages more than 1,000 certification and compliance documents globally for our Bently Nevada product line.

(\*available late 2016)

Worldtech Achilles Communications Certification (ACC) accreditation helps ensure that GE's Bently Nevada product line delivers a high standard of cyber security, continuous product quality and security improvements, as well as world-class customer support.

# Orbit Magazine

---

## Advanced Technology

By understanding your desired outcomes, we configure a solution that helps meet your goals, no matter what the application. In fact, we are continuously developing and delivering our complete range of instruments: portable and wireless data collection, scanning and continuous data collection, and machine protection. These instruments are the foundation for our single, unified software platform that manages the condition of all your production assets. Our software platform is a key element of GE's purpose-built industrial big data and analytics cloud.

On the production side, we give you a full view of your plants and processes, improving your operations by delivering visibility on performance and the analytical insights to optimize production and lower costs.

We can help you improve risk management and make decisions that maintain safety more quickly by integrating various sets of data that affect integrity and by providing analytical insights to predict potential issues and prioritize resources efficiently.

For plants, we can package a solution that maintains high availability and high reliability throughout the plant through advanced monitoring and diagnostics for both rotating and static equipment, whether made by GE or another OEM, plus the insights needed to make them run better.

If you're looking to improve across your entire enterprise, we can knock down information silos and offer knowledge management solutions that drive better performance across your company's different divisions, enabling every operator to be your best operator.

Finally, we can meet you wherever you are in your digital journey. Some companies know heavy equipment. Some know data and software. GE knows how to combine them to transform industry.

## Supply Chain

Our supply chain is specifically designed to deliver 300,000 printed circuit board (PCB) assemblies (made up of more than 250 different designs), for 50,000 shipments annually.

Our precision CNC machining, welding, tool design and coordinate measuring machine (CMM) are just part of the list of our high quality fabrication assets.

Automated surface mount and through-hole component placement, in-process automated testing of component placement, circuit function and early life environmental failures, and RoHS II-compliant

# Orbit Magazine

---

processes help ensure that our PCB assemblies work the first time, every time, and for a very long time.

These capabilities are part of our vertically integrated manufacturing site that promotes rapid order execution, customized product fulfillment and continuous improvement. Typically, the result is a two-week lead time for 50,000 shipments per year. Additionally, one- to two-day urgent “ROMADO” (rotating machinery down) orders receive immediate attention and fulfillment.

## **Knowledgeable Commercial Team**

Every Bently Nevada sales professional and certified Channel Partner goes through a four-level training program, and GE continues to revise and update that training to reflect the ever-increasing scope of our hardware and software technology. In addition, our Field Engineer Program helps ensure expert delivery of machinery monitoring solutions comprised of installation, commissioning, quality documentation and solution troubleshooting.

## **Exceptional Service**

With GE, you can confidently meet production commitments while lowering operating and maintenance expenses. Our professional, factory-trained services are available to you locally, in your own language and time zone. Our customized service agreements, machinery diagnostics experts, 24/7 continuous remote monitoring and diagnostic services, cyber security, design installation, product installation, and management and support services help keep your system properly maintained and used to its full potential.

And because knowledgeable customers receive the best value from our solutions, GE delivers 400 Bently Nevada product line training sessions to more than 4,000 customers annually. Providing a world-class experience, our customer training is conducted by a core group of instructors and experienced field engineers with strong regional expertise. Our comprehensive, self-paced, hands-on instructor-led courses are designed to help you protect and manage all of your machinery. Our courses are offered in multiple languages and held at various GE training locations around the world. In addition, we offer both on-site and on-line training.

## **Why choose GE?**

A technological and service leader, GE can help reduce your costs while providing you with safer,

# Orbit Magazine

---

more efficient and reliable operations. Call us today to see how we can help protect, monitor and manage your mechanical assets.

Copyright 2016 Baker Hughes, a GE company, LLC ("BHGE") All rights reserved.

Bently Nevada, Orbit Logo, ADRE, Keyphasor, Promimitor, Velomitor and System 1 are registered trademarks of BHGE in the United States and other countries. All product and company names are trademarks of their respective holders. Use of the trademarks does not imply any affiliation with or endorsement by the respective holders.

The information contained in this document is subject to change without prior notice.

1631 Bently Parkway South, Minden, Nevada USA 89423

Phone: 1.775.782.3611 [Bently.com](http://Bently.com)

**BAKER  
HUGHES**  
a GE company

