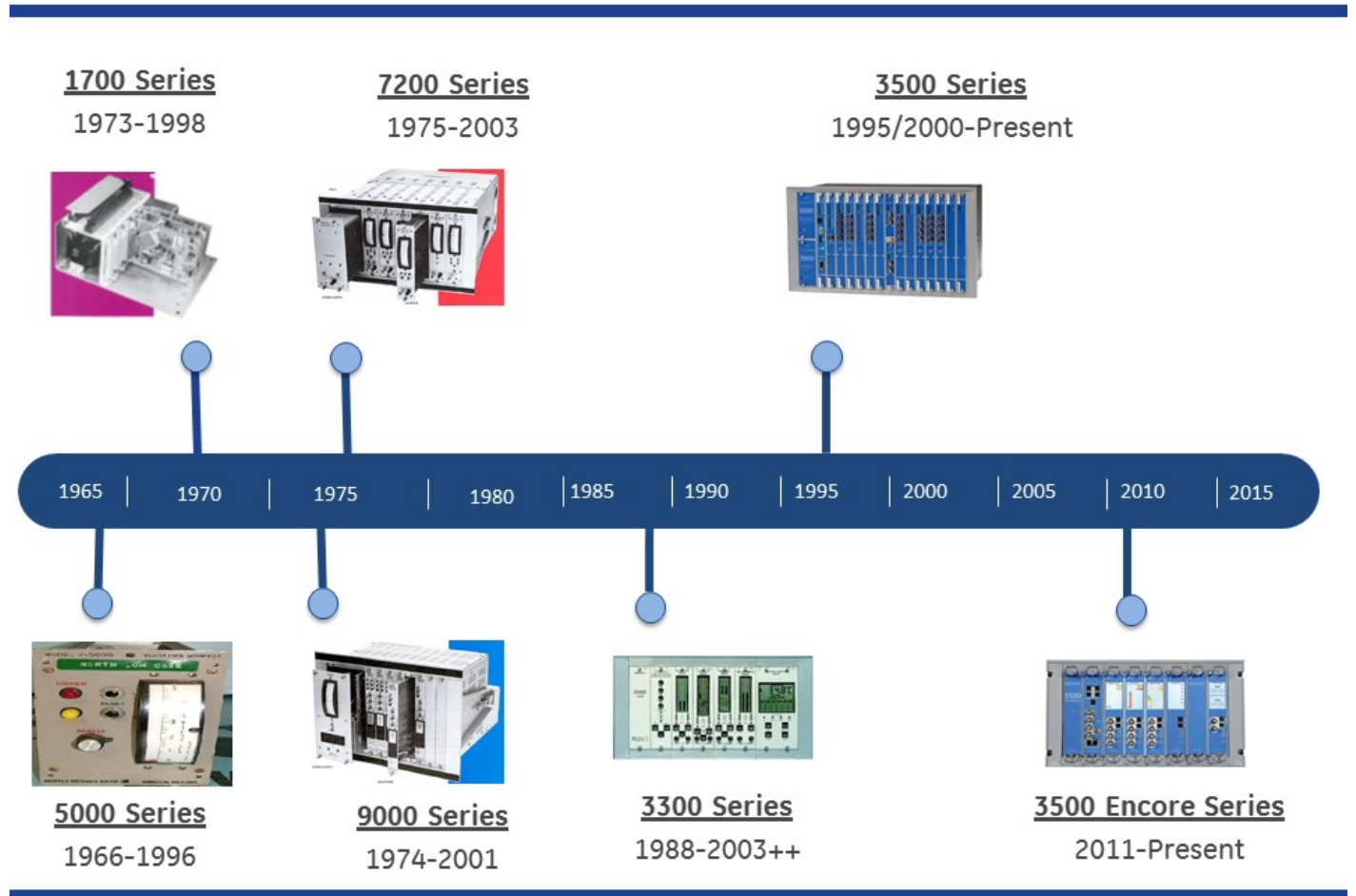


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Unwavering Commitment – GE's Bently Nevada product line continues 3500 Series product vitality

Date : May 26, 2016

The History of Bently Nevada Monitoring Systems



GE continues its paramount position as the leading provider of critical rotating machinery protection systems with the Bently Nevada product line [3500 Rack Based Machinery Protection and Condition Monitoring System](#). We continue our strong tradition of continuous advancement with the 3500 system update currently underway today. This effort reinforces our unwavering commitment to ensuring the 3500's continued vitality for the next 10 years and beyond.

Moving forward, the 3500 Series will include important product updates to maintain and expand compliant offerings with key technical regulations and standards such as RoHS, WEEE, REACH,

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hazardous area certifications, functional safety (SIL), maritime, and cyber security certifications. Additionally, we continue to add application enhancements and updates to the local operator display options, and address any critical component vitality concerns. This will ensure our customers full 3500 Series product support for many years to come.

The [3500 Machinery Protection and Condition Monitoring system](#) is Bently Nevada's flagship rack-based platform. Originally released in 1995, it quickly became the industry leading rack-based critical machinery protection and condition monitoring system. Ongoing continuous improvement and investment is evident through its long list of enhancements, updates, and application extensions from the initial turbomachinery protection application to reciprocating compressors, hydro turbines, electric motors, Aeroderivative Gas Turbines and many more.

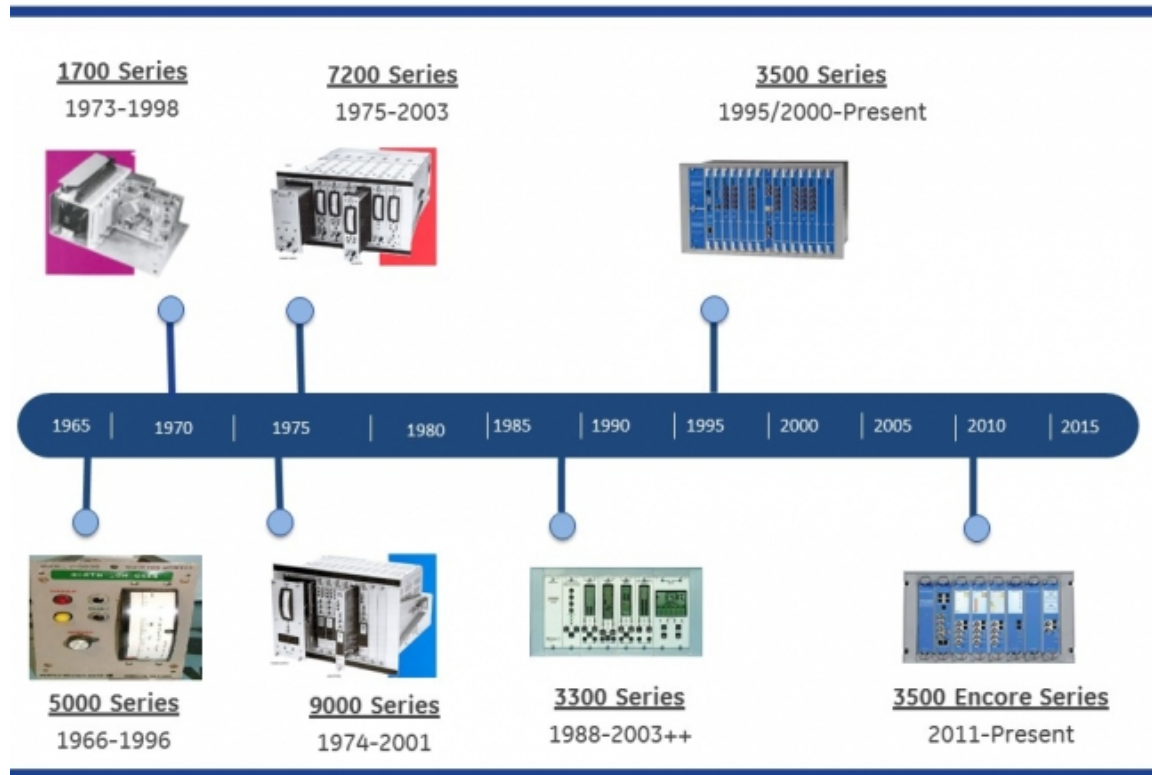
The Bently Nevada 3500 system represents over 50 years of Bently Nevada machinery protection and condition monitoring domain knowledge and best practice methodology built in to a highly flexible and scalable rack based platform. Over 20 years of continuous product development and enhancement has produced a finely tuned rack-based system that is focused on reliably protecting critical machinery. In addition, it enables the use of GE's System 1*, advanced machinery monitoring and diagnostic software, to perform detailed and accurate machinery diagnostics critical to an effective condition based maintenance program.

The Bently Nevada machinery protection system journey began in the 1960's with the 5000 Series which lead to the 1700, 9000, and 7200 Series through the 1970's, followed by the 3300 Series in the 1980's and culminating with the 3500 System we have today. The 3500 Series is poised on this foundation of six generations of Bently Nevada Machinery Protection systems including nearly 40,000 installations of 3300 systems alone. Many of our customers have transitioned through these protection system generations with us, and still have many 3300 sSeries, 7200 sSeries, and earlier systems installed and reliably protecting their machines the same way today they did 30 years or more ago.

It has always been a steadfast commitment to not just maintain, but continuously enhance our protection systems and ensure our generational customers continue to see the value of their investments in these systems increase over time, as well as minimize the impact of transitioning from one to the next. The 3500 system today delivers highly fault tolerant and reliable condition monitoring and protection, with a high degree of field configurability, application flexibility, and scalability. Over 20 years of continuous enhancement, time in the field, and building front-line learning into the system clearly demonstrates GE's long term commitment to those industries that cannot tolerate short product life-cycles. This solution has to be there for the life of the machine.

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The 3500 Series has served with distinction as the market leading and Bently Nevada flagship machinery protection and monitoring system for nearly two decades, and will continue to be fully supported and enhanced for the next decade to come. A market-proven and stable platform with the highest focus on quality and reliability represents tremendous value to our customers and ensures they get the absolute most out of their investment. When thinking about the 3500 Series' benefits, consider the following:

- Minimizes the occurrence of false trips, which can range from a simple nuisance event to an over \$1M problem with potential process, environmental and safety ramifications.
- Eliminates missed trips, which is never more true than for safety-critical applications which demand battle tested and proven reliability.
- The protection and monitoring system lives the life of the machine and control system and doesn't need to be replaced with another model that requires re-integration with controllers, ESD's, HMI's, Historians, not to mention re-wiring I/O and re-validating the complete system.
- Have you ever wondered why you see so many 3300 systems still operating today? They do their job the same today that they did over 20 years ago when they were initially installed and they don't fail...the same reason you will see 3500 systems still protecting machines 20 years from now.

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With a constantly expanding installed base of over 75,000 racks, there is no other machinery protection product in the industry that can match the breadth of applications, reliability of operation, depth of domain specific expertise, and continued product vitality of the 3500 system.

To learn more about the 3500 Series and the planned enhancements, or to upgrade your 3300 Series, please visit: <http://info.geoilandgas.com/The-Bently-Nevada-3500-System.html>

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