

# WATERFALL FOR GE BENTLY NEVADA SYSTEM 1

## SAFE TURBINE MONITORING AND DIAGNOSTICS

Vendor monitoring of steam, gas and water turbines is essential to preventive maintenance. Conventional encrypted and authenticated remote access software solutions though, represent significant risks to safe and reliable operations. The Waterfall for GE Bently Nevada System 1 connector enables transparent and continuous remote monitoring of the latest turbine status information without putting safe and reliable physical operations at risk.

The Waterfall solution is fully integrated and tested by GE Bently Nevada Labs. The solution enables real-time monitoring of turbine vibration, heat anomaly and other data in System 1 databases for GE Onsite Monitoring (OSM) systems and experts, without ever introducing the threats to safe and reliable operation that always accompany firewalls.



## BENEFITS OF WATERFALL FOR GE BENTLY NEVADA SYSTEM 1



Seamless and transparent remote monitoring of turbine data for GE OSM applications and experts



Eliminates all remote attacks and malware propagation from external networks



Fully supported by GE Bently Nevada and GE OSM personnel and systems



Facilitates and simplifies compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more



Off-the-shelf solution easy to install & maintain



Offshore



Manufacturing



Power



Co-Gen



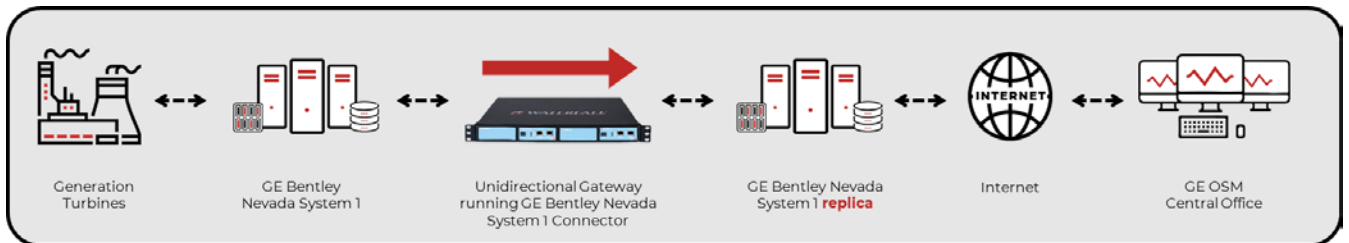
Hydro



Water

## WATERFALL FOR GE BENTLY NEVADA SYSTEM 1

Enterprises deploying the Waterfall for System 1 connector enjoy increased visibility for industrial data, reduced compliance costs and dramatically reduced cyber risk and cyber incident costs.



### THEORY OF OPERATION

The Waterfall for GE Bently Nevada System 1 connector has two software components: one runs on the Industrial network and the second on the Enterprise network. On the ICS side, the connector interacts normally and bi-directionally with System 1. On the Enterprise side, the connector populates a replica of System 1.

The replication process is transparent to Bently Nevada experts at the GE OSM Central Office. The replica Bently Nevada System 1 is a faithful, real-time replica of the operational System 1. With the Waterfall solution deployed, IT and business users and applications can access and use the replica Bently Nevada System 1 in the same way that they would have accessed the operational Bently Nevada System 1, without ever putting the live System 1 deployment at risk.

# FULLY- FEATURED & ROBUST SUPPORT:

- » Hardware-enforced unidirectional replication of GE Bently Nevada System 1 industrial databases to an external network
- » Real-time replication of schema and attribute changes
- » Supports all GE Bently Nevada System 1 data types and attributes
- » Supports all GE Bently Nevada System 1 Evolution versions from version 17 onward
- » 1 Gbps throughput standard & High Availability option
- » Fully supported with Waterfall Unidirectional Security Gateway, DIN Rail and FLIP

[INFO@WATERFALL-SECURITY.COM](mailto:INFO@WATERFALL-SECURITY.COM)

[WWW.WATERFALL-SECURITY.COM](http://WWW.WATERFALL-SECURITY.COM)

### ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. The company's expanding portfolio of customers includes national infrastructures, power plants, nuclear plants, offshore oil and gas facilities, rail transport, refineries, manufacturing plants, utility companies, and many more. Deployed throughout North America, Europe, the Middle East and Asia, Waterfall products support the widest range of leading industrial remote monitoring platforms, applications, databases and protocols in the market. Please contact: [info@waterfall-security.com](mailto:info@waterfall-security.com)

Waterfall's products are covered by U.S. Patents 7,649,452, 8,223,205, and by other pending patent applications in the US and other countries. "Waterfall", the Waterfall Logo, "Stronger than Firewalls", "In Logs We Trust", "Unidirectional CloudConnect", and "CloudConnect, and "One Way to Connect" are trademarks of Waterfall Security Solutions Ltd. All other trademarks mentioned above are the property of their respective owners. Waterfall Security reserves the right to change the content at any time without notice. Waterfall Security makes no commitment to update content and assumes no responsibility for any mistakes in this document. Copyright © 2018 Waterfall Security Solutions Ltd. All Rights Reserved. [www.waterfall-security.com](http://www.waterfall-security.com)