

WATERFALL FOR BENTLY NEVADA SYSTEM 1

PLANT-WIDE CONDITION MONITORING AND DIAGNOSTICS

Operational monitoring of steam, gas and water turbines is essential to preventive maintenance. However, conventional encrypted and authenticated remote access software solutions represent significant risks to safe and reliable operations. The Waterfall for 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 connector solution is fully integrated and tested by Bently Nevada Labs. The solution enables real-time monitoring of turbine vibration, heat anomaly and other data in System 1 databases for on-site monitoring systems and experts, without ever introducing the threats to safe and reliable operation that always accompany firewalls.

BENEFITS OF WATERFALL FOR SYSTEM 1



Seamless and transparent remote monitoring of turbine data for enterprise applications and experts



Eliminates all remote attacks and malware propagation from external networks



Fully supported by Bently Nevada and monitoring 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



Rails



Oil & Gas



Manufacturing



Water



Power



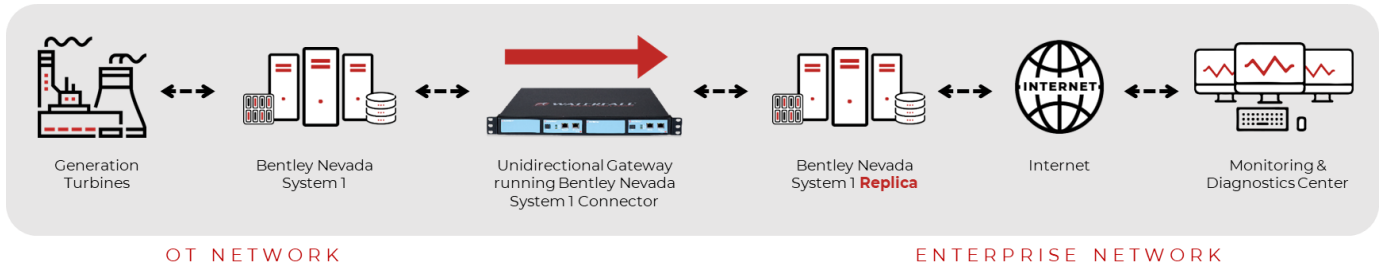
Facilities

WATERFALL FOR 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.

The Waterfall for System 1 connector has two software components: one runs on the OT network and the second on the enterprise network. On the OT 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 Bentley Nevada experts for monitoring and diagnostics on the enterprise network. The replica 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 System 1 in the same way that they would have accessed the operational System 1, without ever putting the live System 1 deployment at risk.



FULLY- FEATURED & ROBUST SUPPORT:

- » Hardware-enforced unidirectional replication of System 1 industrial databases to an external network
- » Real-time replication of schema and attribute changes
- » Supports all System 1 data types and attributes
- » Supports all 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

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable enterprise-wide visibility for operations, with disciplined control. Waterfall products represent an evolutionary alternative to firewalls. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off and on shore oil and gas facilities, 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. For more information, please contact info@waterfall-security.com

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