

WATERFALL FOR SCIENTECH R*TIME

SAFE NUCLEAR POWER GENERATION MONITORING

The Waterfall for Scientech R*TIME Connector provides safe access to real-time and historical data about nuclear power plant performance and operations. With the Waterfall for Scientech R*TIME Connector, data from multiple sources can be captured and safely displayed for enterprise users.

Opening paths through firewalls to nuclear generator control systems introduces unacceptable risks to operations – all connections through firewalls introduce potential attack opportunities. Such connections are forbidden by nuclear generation best practices and regulations in many jurisdictions.

The Waterfall for Scientech R*TIME Connector is based on Waterfall's Unidirectional Gateway technology. The connector enables safe IT/OT integration and seamless integration with enterprise systems.

The Waterfall for Scientech R*TIME Connector is simple to install, with user-friendly, web-based configuration and monitoring tools. Comprehensive diagnostics include real-time alarms that alert users of fault conditions via Syslog, Windows logs, email, SNMP traps, log files and Waterfall's monitoring console.

BENEFITS OF USING WATERFALL FOR SCIENTECH R*TIME



Secure replication of R*TIME Servers



Elimination of remote control cyberattacks and online malware propagation



Facilitating compliance with NEI 08-09, NRC 5-71, CSA N290.7-14, ANSSI, and more



Maximum utilization of all Scientech R*TIME features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR SCIENTECH R*TIME

The Waterfall for Scientech R*TIME Connector replicates an R*TIME server from the nuclear generating network to an external network. The connector uses standard, built-in R*TIME server replication and synchronization technology to deliver a real-time, faithful replica. External systems and users interact with the replica as if it were the original, live R*TIME system. The Waterfall connector ensures real-time replication of tags, with keep alive and heartbeat information. With Waterfall for Scientech R*TIME, real-time replication is possible for heavy duty R*TIME installations with unlimited number of tags.

Waterfall's Unidirectional Gateway hardware physically protects industrial assets, preventing any human errors, malware or cyber attacks - however sophisticated - from penetrating through the gateway hardware back into the protected industrial network. The Gateway hardware makes it physically impossible for attacks to flow from the enterprise network towards the nuclear power control network, eliminating any threats of online attacks, malware or human errors.

With Waterfall for Scientech R*TIME, nuclear plant engineers and operators can access plant data on replica servers as if they were accessing the original, protected R*TIME system, without threat to the original system.

FULLY- FEATURED & ROBUST SUPPORT:

- » Secure, unidirectional R*TIME replication
- » Supports filtering of R*TIME tags, keep alive and heartbeat signals
- » Generation of periodic R*TIME replication reports
- » Elastic buffering prevents congestion, queue overflows and lost data
- » Supports Windows and Linux
- » Standard 1 Gbps throughput with optional High Availability configurations

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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

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