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WATERFALL FOR GE HISTORIAN

SECURE MONITORING OF GE HISTORIAN SERVERS

Industrial enterprises frequently need enterprise-wide access to historical data via GE Historian for trending, analysis, optimization and reporting tools. Connecting enterprise networks to industrial GE Historian sources through a firewall, however, is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

Waterfall's solution suite for GE Historian and Archive comprehensively addresses the needs of industrial enterprises to achieve safe integration of operational technology (OT) and information technology (IT) networks, while maximizing access to GE Historian data sets and analytics capabilities. By deploying Waterfall for GE Historian, businesses eliminate the risk of remote cyberattacks entering their industrial control systems while enabling seamless access to critical operational data for improved efficiencies.

Waterfall's simple installation, configuration and monitoring tools make it easy for users. Comprehensive diagnostics include real-time alarms that alert the user of fault conditions via Syslog, Windows logs, email, SNMP traps, log files, and Waterfall's monitoring console.

BENEFITS OF USING WATERFALL FOR GE HISTORIAN

Secure replication of GE Historian Servers

Simple deployment – connector runs entirely in the Unidirectional Gateway with simple web user interface

Elimination of remote control cyberattacks and online malware propagation

Facilitating compliance with NERC CIP, NIST 800-82, ANSSI, IEC 62443 and more

Maximum utilization of all GE Historian features

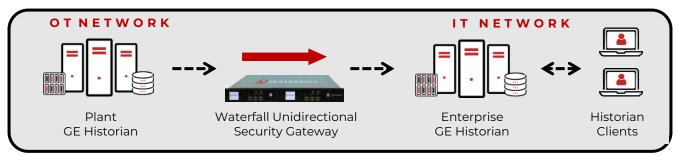Power   Oil & Gas   Rail   Facilities   Water   Manufacturing   Government

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FULLY-FEATURED & ROBUST SUPPORT:

» Fully transparent to GE Historian users

» Automatic, real-time replication of GE Historian tag addition, deletion, attributes, events, alarms, frames, values, notifications, and other metadata changes

» Support for all data tag types, including numeric, digital, string and timestamp tag types

» 1-10Gbps connectivity and High-availability options

» Complete or selective database replication

» GE Historian Backfill capabilities for data retransmission

» Optional aggregation of multiple source GE Historian servers into one replica

OT NETWORK — Plant GE Historian → Waterfall Unidirectional Security Gateway → Enterprise GE Historian ↔ Historian Clients — **IT NETWORK**

WATERFALL'S SOLUTION SUITE FOR GE HISTORIAN

GE HISTORIAN SYSTEM

Replicates operational GE Historian Systems in industrial networks to enterprise networks, optionally aggregating multiple plants into a single enterprise historian.

Users interact normally and bi-directionally with replica servers, keeping industrial networks safe from remote cyber attacks.

GE HISTORIAN ARCHIVE

Retransmits GE Historian data to replica servers on the IT network to address data gaps.

The Archive function identifies existing data so that duplicate data does not appear in replica servers in the case of any downtime.

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ABOUT WATERFALL

Waterfall Security Solutions' unbreachable OT cybersecurity technologies keep the world running. For more than 15 years, the most important industries and infrastructure have trusted Waterfall to guarantee safe, secure, and reliable operations. The company's growing list of global customers includes national infrastructures, power plants, nuclear generators, onshore and offshore oil and gas facilities, refineries, manufacturing plants, utility companies, and more. Waterfall's patented Unidirectional Gateways and other solutions combine the benefits of impenetrable hardware with unlimited software-based connectivity, enabling 100% safe visibility into industrial operations and automation systems.