WATERFALL FOR GE OSM

SAFE REMOTE TURBINE MANAGEMENT

Modern industrial enterprises need to transfer GE turbine information to the GE Monitoring & Diagnostics Center (M&D) via GE On-Site Monitor (OSM) for analysis by M&D engineers and diagnostic systems. Connecting turbine management systems to enterprise networks or the Internet through firewalls, however, is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

The Waterfall for GE OSM connector supports all versions of GE OSM connectivity, from the oldest flat file versions to the most modern and most modern and powerful GE Historian connections. The Waterfall for GE OSM connector makes OSM production information available to central GE M&D engineers in real time, without risk of cyber attacks on operations networks.

Waterfall's simple installation, configuration and monitoring tools make replicating servers 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 OSM

Secure replication of GE OSM 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

Provides GE OSM users with comprehensive support for advanced architectures and network requirements

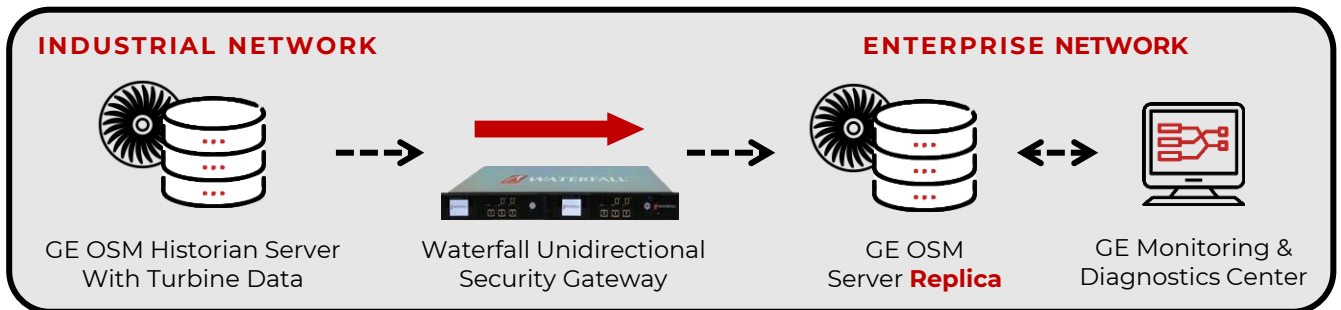Power   Pipelines   Rail   Water   Facilities   Manufacturing

WATERFALL FOR GE ON-SITE MONITOR (OSM)

The Waterfall for GE OSM connector replicates GE OSM servers in industrial networks to enterprise networks and Internet DMZ networks through Unidirectional Security Gateway hardware. 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.

With Waterfall for GE OSM, GE support personnel at the GE M&D Center can access turbine data as if they were at the production site, directly interacting with the turbine sensors. Users interact normally and bi-directionally with replica servers, keeping industrial networks safe from remote cyber attacks. Enterprises deploying the Waterfall for GE OSM connector enjoy seamless connectivity with the GE M&D Center, reduced compliance costs and dramatically reduced cyber risk and cyber incident costs.

INDUSTRIAL NETWORK   **ENTERPRISE NETWORK**

GE OSM Historian Server With Turbine Data   Waterfall Unidirectional Security Gateway   GE OSM Server **Replica**   GE Monitoring & Diagnostics Center

FULLY-FEATURED & ROBUST SUPPORT:

» Hardware-enforced unidirectional replication of GE OSM data sources to an external enterprise network

» Support for File, OPC and GE Historian OSM servers and data formats

» Fully transparent to GE OSM users and M&D Center engineers

» Support for all GE OSM data types and attributes

» 1-10 Gbps standard throughput & High-availability options

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.