

# 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 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.



## BENEFITS OF USING WATERFALL FOR GE OSM



Secure replication of GE OSM Servers



Elimination of remote control cyberattacks and online malware propagation



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



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



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

## 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.

Waterfall's simple installation, configuration and monitoring tools make it easy for GE OSM 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.



### FULLY- FEATURED & ROBUST SUPPORT:

- » Hardware-enforced unidirectional replication of GE OSM data sources to an external 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
- » 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](mailto:info@waterfall-security.com)

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