

WATERFALL FOR OMNI FLOW

SECURE ENTERPRISE MONITORING OF OMNI FLOW DEVICES

Oil & gas enterprises use complex calculations from Omni flow computers to monitor and calculate the volume, density and composition of both petrochemicals in pipelines, both to monitor and manage those pipelines, as well as for custody transfer operations. Connecting enterprise networks to Omni flow devices through firewalls is high risk, however, as all connections through firewalls introduce attack opportunities.

The Waterfall for Omni Flow connector address the need for oil & gas companies to achieve safe, seamless IT/OT integration while maximizing access to Omni flow computer data. Waterfall's unidirectional hardware physically prevents any attack or malicious command from reaching the protected Omni flow devices.

The Waterfall for Omni Flow 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 OMNI FLOW



Secure, real-time unidirectional replication of Omni flow devices to SCADA users & applications



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



Eliminates all remote attacks and malware propagation from external networks



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



Users and applications interact normally with accurate, faithful replication of Omni flow devices on IT networks



Power



Pipelines



Rail



Water



Facilities



Manufacturing

WATERFALL FOR OMNI FLOW

Pipeline process control networks use Waterfall for Omni Flow to access faithful, real-time replicas of Omni flow computers and devices. The Waterfall connector gathers data from Omni flow devices on industrial networks in real-time, sends that data through the unidirectional hardware, and emulates the Omni flow devices for users and applications on the external network. IT systems and historians can access the flow computer replicas bi-directionally, as if they were still communicating with the original Omni Flow devices.

The Waterfall for Omni Flow connector gathers data as a true Omni Flow client on the industrial network, while emulating Omni Flow devices to the enterprise or IT network. The connector software serves as a faithful emulation of the Omni flow devices in the protected network, responding to interactions in the same way as the original device would have responded, without ever permitting any message back into the protected network that might jeopardize reliability-critical equipment. Enterprises deploying the Waterfall for Omni Flow connector enjoy increased visibility of data, reduced compliance costs, and dramatically reduced cyber risk and incident costs.

FULLY- FEATURED & ROBUST SUPPORT:

- » Hardware-enforced, unidirectional, and real-time replication of Omni Flow computers to an external network
- » Replicates multiple Omni Flow devices
- » Supports both Omni Flow client and server replication
- » Supports all Omni Flow data types and point types
- » 1-10 Gbps throughput standard & High Availability options

INFO@WATERFALL-SECURITY.COM

WWW.WATERFALL-SECURITY.COM

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.

Waterfall's products are covered by U.S. Patents 7,649,452, 8,223,205, and by other pending patent applications in the US and other countries. "Waterfall", the Waterfall Logo, "Stronger than Firewalls", "In Logs We Trust", "Unidirectional CloudConnect", and "CloudConnect, and "One Way to Connect" are trademarks of Waterfall Security Solutions Ltd. All other trademarks mentioned above are the property of their respective owners. Waterfall Security reserves the right to change the content at any time without notice. Waterfall Security makes no commitment to update content and assumes no responsibility for any mistakes in this document. Copyright © 2023, Waterfall Security Solutions Ltd. All Rights Reserved. www.waterfall-security.com