

WATERFALL FOR OMNI FLOW

SECURE ENTERPRISE MONITORING OF OMNI FLOW DEVICES

Gas and petrochemical companies use complex calculations from Omni Flow computers to monitor and calculate the volume, density and composition of both petrochemicals and gases in a pipeline for control of the pipeline and custody transfer operations. These calculations must be input to pipeline process control networks.

Connecting enterprise networks to Omni Flow devices through firewalls is high risk. All software can be hacked and all firewalls and Omni Flow implementations are software.

The Waterfall for Omni Flow connector address the need of Oil and Gas companies to achieve safe, seamless IT/OT integration while maximizing access to Omni Flow computer data. The Waterfall 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 emulation of Omni Flow devices to SCADA users & applications



SCADA users and applications interact normally with accurate, faithful emulation of Omni Flow devices on their networks



Eliminates all remote attacks and malware propagation from external networks



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



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR OMNI FLOW

Pipeline process control networks use Waterfall for Omni Flow to accurately access real-time faithful replicas of the Omni Flow devices. The 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 SCADA users and applications on the external network. IT systems and historians can access the emulated devices bi-directionally, as if they were still communicating with the original Omni Flow devices.

The Waterfall for Omni Flow TX connector is an Omni Flow Client while the RX module is an Omni Flow server. The RX software serves as a faithful emulation of the Omni Flow enabled devices in the protected network, responding to interactions with the Omni Flow server in the same way as the emulated device would have responded, without ever permitting any message back into the protected network to put reliability-critical equipment at risk. 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:

- » Real-time replication of Omni Flow computers
- » Replicates multiple Omni Flow devices on a single host
- » Supports both Omni Flow client and server emulation
- » Supports all Omni Flow data types and point types
- » 1 Gbps throughput standard & High Availability option
- » Fully supported by Waterfall Unidirectional Security Gateway software

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable enterprise-wide visibility for operations, with disciplined control. Waterfall products represent an evolutionary alternative to firewalls. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off and on shore oil and gas facilities, 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. For more information, please contact Info@waterfall-security.com