waterfall

WATERFALL FOR REMOTE PRINTING

SECURE REMOTE PRINTING

Files from an industrial network must often be sent to printers on an enterprise network. However, sending files to printers through firewalls introduces unacceptable risk to control system networks. Firewall connections that permit data to leave an industrial system also allow attacks to enter back in.

Waterfall for Remote Printing allows businesses to safely print a wide range of file types from an operations network to enterprise printers without exposing control systems to cyber risk. Safe, convenient unidirectional printing from ICS to IT networks dramatically reduces the need for removable media and the risks associated with such media. The remote printing connector enables safe IT/OT integration and seamless integration with industrial Windows clients and enterprise destination printers.

Waterfall for Remote Printing is simple to install, with user-friendly, web-based configuration and monitoring tools. 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 REMOTE PRINTING

Secure, unidirectional remote printing

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

Not physically able to transmit any remote attacks or malware propagation from external networks into protected networks

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

Dramatically reduces the need for removable media

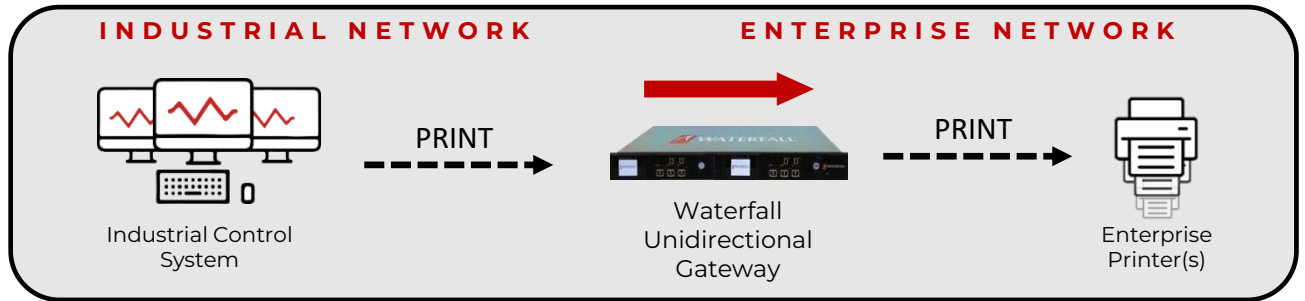Power   Oil & Gas   Rail   Facilities   Water   Manufacturing   Government

WATERFALL FOR REMOTE PRINTING

INDUSTRIAL NETWORK

ENTERPRISE NETWORK

Industrial Control System

PRINT

Waterfall Unidirectional Gateway

PRINT

Enterprise Printer(s)

The Waterfall for Remote Printing connector secures the process of printing from OT networks to enterprise printers against external cyber threats. Waterfall acts as a print server on the operations network, receiving print jobs from the OT network and pushing them to printers on the enterprise network. Waterfall for Remote Printing software connector creates any number of virtual network printers on the protected OT network. These virtual printers can be shared with other equipment on the OT side using standard Windows printer sharing mechanisms. The Remote Printing connector supports postscript printing for maximum flexibility and compatibility with existing OT system applications.

Destination network printers are connected to external enterprise networks outside of the secure perimeter of the OT network. These printers may be physically located in the same room as protected control system computers or in distant locations accessible across the enterprise wide area network (WAN). Many virtual printers can be configured on a single Waterfall for Remote Printing connector, and each of those virtual printers can print seamlessly and securely to a variety of different types of real, external printers in different locations.

FULLY-FEATURED & ROBUST SUPPORT:

» Supports all standard printers from all vendors

» Supports both physically local and remote printers

» Dramatically reduces NERC CIP compliance costs

» Many virtual printers can be supported by one Waterfall for Remote Printing Connector

» 1-10 Gbps throughput standard

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.