

# 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 the enterprise network 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's simple installation, configuration and monitoring tools make it 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 REMOTE PRINTING



Secure, unidirectional remote printing



Elimination of remote control cyberattacks and online malware propagation



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



Dramatically reduces the need for removable media



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

## WATERFALL FOR REMOTE PRINTING

The Waterfall for Remote Printing connector secures the printing process from industrial networks to operations networks against cyber threats from the enterprise network. Waterfall acts as a print server on the operations network, pulling files from the ICS network and pushing them to printers on the enterprise network.

Waterfall for Remote Printing creates a virtual network printer on the protected industrial control network. This virtual printer can be shared with other equipment on the industrial control network using standard Windows printer sharing mechanisms. The virtual printer supports Postscript printing for maximum flexibility and compatibility with existing industrial control system applications.

Destination network printers are connected to external enterprise networks, outside of the secure perimeter of the industrial control network. These printers may be physically located in the same room as protected control system computers, in other parts of the same building, 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 Gateway, 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
- » Standard 1Gbps connectivity
- » Fully transparent to Industrial network users

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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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