

# 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



Eliminates remote-control cyber attacks and online malware propagation



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



Dramatically reduces the need for removable media



Power



Pipelines



Rail



Water



Facilities



Manufacturing

## WATERFALL FOR REMOTE PRINTING

The Waterfall for Remote Printing connector secures process of printing from industrial networks to enterprise printers against cyber threats from the enterprise network. Waterfall acts as a print server on the operations network, receiving 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
- » 1-10 Gbps throughput standard

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### 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](http://www.waterfall-security.com)