

# WATERFALL FOR TIME SYNC

## SAFE NETWORK TIME SYNCHRONIZATION

Synchronizing networks to a single, consistent time source is essential for both operational and corporate networks. The Waterfall for Time Sync connector provides safe, unidirectional clock synchronization for IT and industrial control system (ICS) networks.

By taking advantage of NTP (Network Time Protocol) servers in a time-source network, the Waterfall for Time Sync connector eliminates additional costs and risks that come from adding new GPS receivers into additional networks.

Waterfall for Time Sync is simple to install, with user friendly configuration and monitoring tools. Implementing Waterfall's unidirectional time synchronization improves network security, operations reliability and simplifies regulatory compliance.

## BENEFITS OF USING WATERFALL FOR TIME SYNC



Secure, unidirectional network time synchronization



Supports all computer clocks in IT and industrial networks



Eliminates remote control cyberattacks and online malware propagation



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



Simple deployment of off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

## WATERFALL FOR TIME SYNC

The Waterfall for Time Sync connector is part of the Waterfall Unidirectional Security Gateway family of products. The Time Sync connector most commonly synchronizes clocks from an industrial network to clients on an enterprise network. Network time information is transmitted from one network to another through Unidirectional Gateway hardware, which is physically unable to send any DOS, malware or other attack back into the protected source network.

The Time Sync client on Waterfall's source network is a standard client that interacts normally with NTP servers on that network. The replica NTP server on the destination network is a standard client that interacts normally with NTP clients on that network. Safe, unidirectional time synchronization synchronizes clocks to authoritative standards across networks and throughout enterprises.



### FULLY- FEATURED & ROBUST SUPPORT:

- » Reliable, low-latency NTP time synchronization to external networks
- » All NTP communications terminate in the Unidirectional Gateway solution - no packets or traffic are forwarded between networks
- » Supports a wide arrange of NTP servers, clients and protocol variations

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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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