

# WATERFALL FOR eDNA HISTORIAN

## SECURE MONITORING OF WONDERWARE eDNA ENTERPRISE DATA HISTORIAN SERVERS

Industrial enterprises frequently need enterprise-wide access to historical data in eDNA Enterprise Data Historian servers for trending, analysis, optimization and reporting tools. Connecting eDNA Enterprise Data Historian sources through a firewall to enterprise networks, however, is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

Waterfall's solution suite for eDNA historians comprehensively addresses the needs of industrial enterprises to achieve safe integration of operational technology (OT) and information technology (IT) networks, while maximizing access to eDNA Enterprise Data Historian data sets and analytics capabilities. By deploying Waterfall for eDNA Historian, businesses eliminate the risk of remote cyberattacks entering their industrial control systems while enabling seamless access to critical operational data for improved efficiencies.

Waterfall's simple installation, configuration and monitoring tools make it easy for eDNA Historian 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 EDNA HISTORIAN



Secure replication of EDNA Historian Servers



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



Elimination of remote control cyberattacks and online malware propagation



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



Maximum utilization of all EDNA Enterprise Data Historian features



Power



Oil & Gas



Rail



Facilities



Water



Manufacturing



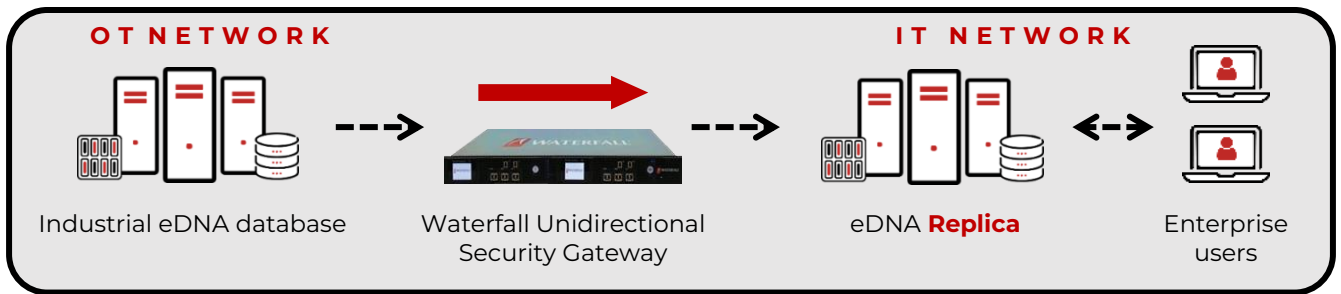
Government

## WATERFALL FOR eDNA HISTORIAN

The Waterfall for eDNA software connector uses the Wonderware eDNA Replication system to create a real-time replica of an eDNA database server on an enterprise network, and optionally aggregating multiple eDNA plant databases into a single enterprise historian. All replicated data is sent across the secure Unidirectional Gateway hardware, from the industrial eDNA source(s) to the enterprise eDNA replica.

Designed specifically for industrial network environments, Waterfall for eDNA Historian makes inbound data flows from enterprise to industrial networks physically impossible. Critical operations assets are now absolutely protected against any threats of remote cyber-attack, incoming malware, or human errors originating on external networks.

Enterprise users and applications connect and interact normally with the eDNA replica server, keeping industrial networks safe from remote cyber attacks. The replica servers are maintained as faithful, synchronized replicas of the original servers on industrial networks. In addition, enterprise users can issue complex, costly queries against the replica database without fear of slowing down critical systems on the industrial control network.



### FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of tags, attributes, events, alarms, frames, values and notifications
- » Support for all eDNA data types and time stamps
- » Automatic replication of eDNA Historian tag addition, deletion, and other metadata changes
- » Fully transparent to eDNA Historian users.
- » Complete eDNA database replication
- » 1-10 Gbps standard throughput

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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, 8,228,205, 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)