

# WATERFALL FOR OPC HISTORICAL DATA ACCESS

## STRONG SECURITY FOR OPC-HDA AND OPC-UA

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

The Waterfall for OPC Historical Data Access connector is part of the Waterfall Unidirectional Security Gateway family of products. The connector replicates OPC-HDA and OPC-UA servers in real-time, from industrial networks to IT networks, without the risks that always accompany firewalls. By deploying the Waterfall for OPC Historical Data Access, businesses eliminate the risk of remote cyber attacks entering their industrial control systems, while enabling seamless, enterprise-wide access to critical operational data. The Waterfall connector enables safe IT/OT integration, integrating seamlessly with OPC-HDA and OPC-UA clients and servers.

## BENEFITS OF USING WATERFALL FOR OPC



Securely emulates historical data access functions from ICS OPC-HDA and OPC-UA servers to IT networks



Fully transparent to OPC-HDA and OPC-UA system users



Eliminates all remote attacks and malware propagation from external networks



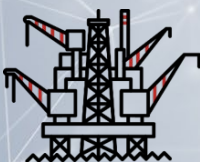
Facilitates and simplifies compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water

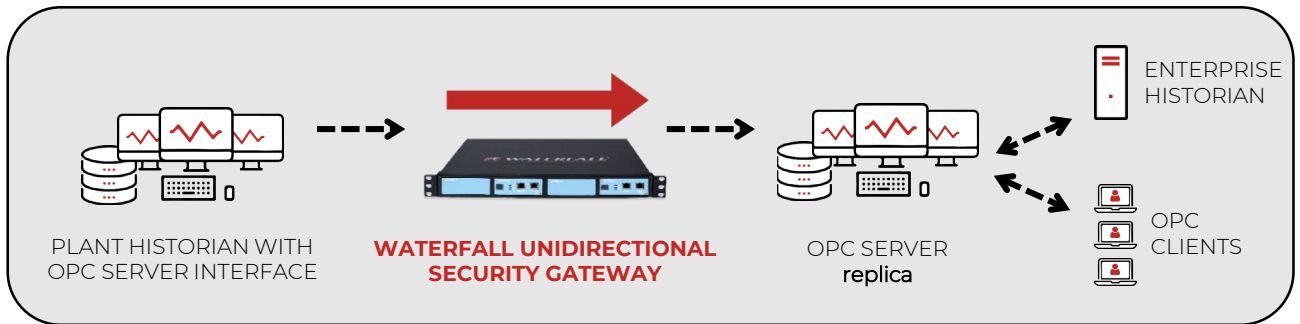


Power



Pharma

## WATERFALL SOLUTION FOR OPC-HDA



The Waterfall for OPC-HDA connector has two software components: one runs on the Industrial network and the second on the enterprise network. On the ICS side, the connector is a true OPC client that queries the source OPC-HDA or OPC-UA server for industrial data. On the enterprise network, the connector is a true OPC server that is a replica of the industrial OPC server. OPC clients on the enterprise network can query the replica server and be confident of receiving the same answers from the replica as would have been received from the original server.

The Waterfall Unidirectional Gateway hardware deployed between the two networks makes it physically impossible for any attacks to flow from the corporate network into the industrial network, eliminating any threats of online remote attacks, malware or human errors.

## FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of OPC-HDA and OPC-UA servers
- » Automatic replication of OPC tag addition, deletion, and other changes
- » Aggregation of multiple source OPC servers into one replica
- » Automatic backfill option
- » Integration of dissimilar ICS and IT historians
- » High Availability option

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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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