

WATERFALL FOR OPC DATA ACCESS

SAFE PROCESS DATA REPLICATION

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

BENEFITS OF USING WATERFALL FOR OPC



Securely replicates OPC-DA and OPC-UA servers from ICS to IT networks



Fully transparent to OPC-DA 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

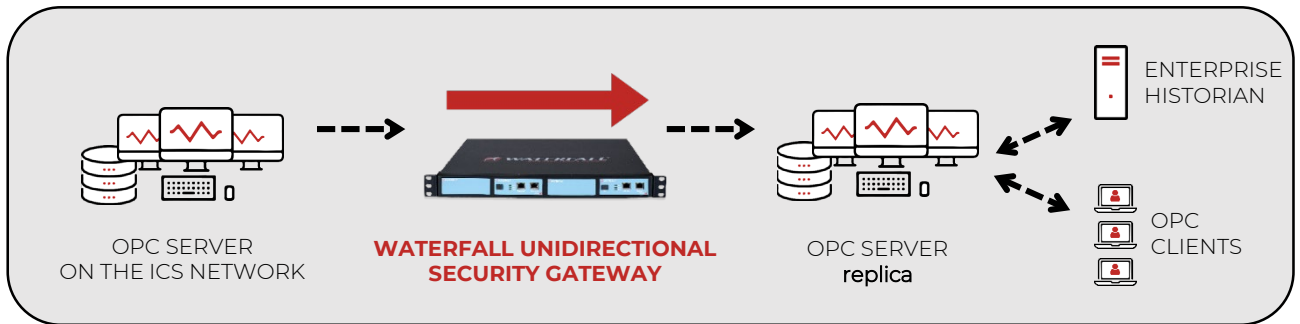


Power



Pharma

WATERFALL SOLUTION FOR OPC-DA



The Waterfall for OPC-DA 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-DA 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:

- » Faithful, real-time replication of OPC-DA and OPC-UA servers from ICS to IT networks
- » Automatic discovery of new OPC tags in ICS servers and automatic real-time propagation of those tags to the IT replicas
- » Supports an unlimited number of OPC tags
- » 1 Gbps throughput standard
- » 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

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