

WATERFALL FOR AVEVA DATA HUB

SECURE DATA SHARING ON A FULLY MANAGED CLOUD SERVICE

Since 2009, Waterfall Security has been a trusted partner of AVEVA (formerly OSIsoft), securing critical industrial systems for mutual customers worldwide. Unidirectional Gateways safely push industrial data from PI Edge Data Stores and PI Servers to the AVEVA Data Hub (formerly OSIsoft Cloud Services). Unidirectional Gateways allow industrial enterprises to benefit from cloud-based data sharing at scale, predictive analytics and other efficiencies, while eliminating the risks of Internet connectivity to industrial operations.

Waterfall's solutions for the AVEVA Data Hub provide:

- Safe and seamless integration of industrial networks to the AVEVA Data Hub for cloud services and community data sharing,
- Native AVEVA protocol support without the need to install software on third-party servers, and
- A rich feature set: a powerful web GUI, 1Gbps throughput, high availability options, and a variety of Data Hub connectivity options.

Waterfall's Unidirectional Security Gateways enable the benefits of Internet-based cloud services without the risks of Internet connectivity.

AVEVA

BENEFITS OF WATERFALL FOR AVEVA DATA HUB



The elimination of remote-control cyber attacks and online malware propagation



Safe and seamless replication of AVEVA PI Edge Data Stores to AVEVA Data Hub



Safe replication of industrial PI Servers to Enterprise PI Servers for integration with AVEVA Data Hub



Safe replication of industrial data sources to PI EDS Systems on IT networks and to the AVEVA Data Hub



Secure real-time data sharing and aggregation across multiple sites



Real-time alarms & diagnostics via Syslog, Windows logs, email, SNMP traps, log files, PI system tags and Waterfall's monitoring console



Simple to install, with user-friendly, web-based configuration, monitoring and trouble-shooting tools



Native execution on Waterfall equipment – no need for software installation on 3rd party machines



Native protocol support for all PI data types: numeric, digital, string and timestamps



Rails



Power



Oil & Gas



Manufacturing

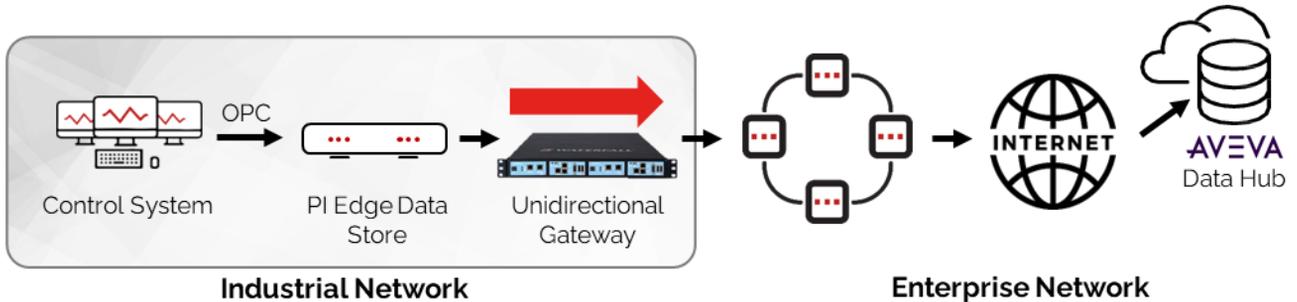


Water



Chemicals

WATERFALL FOR AVEVA DATA HUB



Waterfall Unidirectional Security Gateways enable the safe movement of data from industrial control systems into the AVEVA Data Hub. Waterfall's gateways can replicate PI Edge Data Store servers directly out to the Data Hub as illustrated above. The gateways can also replicate industrial data to an Edge Data Store on the IT network to pass on to the Data Hub (not illustrated) and can replicate plant & industrial PI servers to enterprise PI servers with those enterprise servers forwarding the data out to the AVEVA Data Hub (not illustrated).

Waterfall Unidirectional Security Gateways are simple to install, with user-friendly, web-based configuration and monitoring tools. The gateway hardware is physically able to send in only one direction - no ransomware no matter how sophisticated and no attack messages whatsoever are able to pass back through the hardware into the industrial network. Waterfall's Unidirectional Security Gateways enable data to flow from protected industrial sources out to the IT network and even directly out to the Internet, without risk to physical operations.

FULLY- FEATURED & ROBUST SUPPORT:

- » Simple, secure replication for industrial protocols, AVEVA PI Edge Data Store and AVEVA PI Servers out to the AVEVA Data Hub
- » Safe access to OT data for big data, customer coordination and cross site coordination
- » Runs natively on Unidirectional Gateway hardware – no need to install or run software on any other system
- » Real-time replication of all PI data types, tags and attributes, events, frames, values and notifications
- » PI Backfill capabilities for data retransmission, 1Gbps standard connectivity, a variety of High Availability options, an easy-to-use Web GUI and many other powerful features

INFO@WATERFALL-SECURITY.COM

WWW.WATERFALL-SECURITY.COM

ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable safe IT/OT integration, enterprise-wide visibility into operations, and disciplined control. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off-shore and on-shore oil and gas facilities, manufacturing plants, power, gas and water utilities, 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. For more information, visit www.waterfall-security.com.

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