

# Enabling Secure Data Sharing on AVEVA CONNECT

Since 2009, Waterfall Security has been a trusted partner of AVEVA (formerly OSIsoft), securing critical industrial systems for mutual customers worldwide.

Unidirectional Gateways safely and seamlessly push industrial data from OT devices, PI Edge Data Stores, and PI Historians to AVEVA CONNECT. They also allow industrial enterprises to benefit from cloud-based data sharing at scale, predictive analytics and other efficiencies, while eliminating the cyber risks of internet connectivity to industrial operations.

Waterfall's solutions for AVEVA CONNECT provide:

- Safe and seamless integration of industrial networks to AVEVA CONNECT for cloud services and community data sharing,
- Native AVEVA protocol support without the need to install software on third-party servers
- A rich feature set, including: a powerful web GUI, 1Gbps or 10Gbps throughput, high availability options, and a variety of CONNECT connectivity options.

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

## Benefits of Waterfall for AVEVA CONNECT

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

Safe and seamless replication of AVEVA PI Edge Data Stores to AVEVA CONNECT.

Safe replication of industrial PI Servers to Enterprise PI Servers for integration with AVEVA CONNECT.

Safe replication of industrial data sources to PI EDS Systems on IT networks and to AVEVA CONNECT.

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.



Power



Oil & Gas



Rail



Facilities



Water

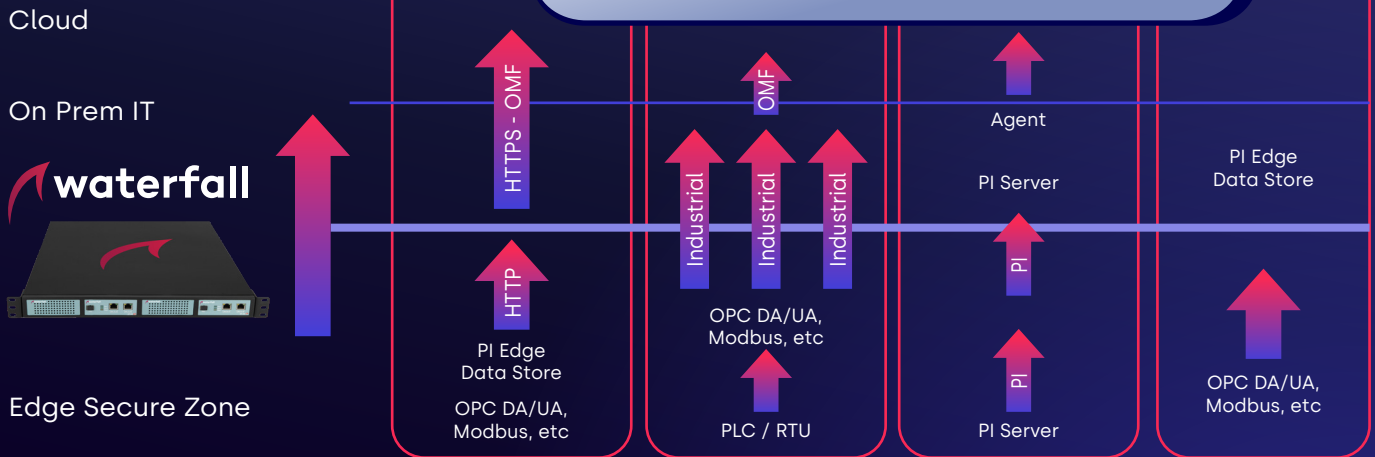


Manufacturing



Government

## Waterfall for AVEVA CONNECT



Waterfall Unidirectional Security Gateways can securely transfer data from industrial systems to AVEVA Connect from PI Edge Data Stores, OT industrial devices, and PI Servers.

**PI Edge Data Stores:** Waterfall's gateways replicate industrial data to or from Edge Data Stores, supporting native protocols like OPC DA/UA and Modbus as well as OMF-based cloud uploads.

**Industrial Devices:** Data is received into the PI EDS and then sent to the cloud.

**PI Server replication:** Native PI replication to the IT network where an agent sends data to the cloud.

Waterfall Unidirectional Security Gateways are easy to install, with web-based configuration and monitoring tools. The hardware ensures data flows only one way, blocking ransomware and internet-based attacks, protecting industrial networks while enabling secure data transfer to IT and directly to the CONNECT in the cloud.

### Fully-featured & Robust Support:

- Simple, secure replication of industrial protocols from AVEVA PI Edge and industrial servers to AVEVA CONNECT.
- Safe access to OT data for big data, customer coordination and cross site coordination.
- Runs natively on Unidirectional Gateway hardware – no software installation required.
- Real-time replication of all PI data types, tags and attributes, events, frames, values, and notifications.
- PI backfill for data retransmission, 1Gbps or 10Gbps connectivity, High Availability options, and an intuitive Web GUI.

### 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](http://www.waterfall-security.com).