

# Waterfall<sup>©</sup> SME for OSIsoft<sup>®</sup> PI<sup>®</sup>

**Efficient and Protective Unidirectional Monitoring of OSIsoft PI Servers**



## Introducing WF-SME WF-SME for OSIsoft PI

**Provide absolute, real-time and hack-proof replication of OSIsoft PI servers from critical industrial networks to business networks**

**Full compliance and conformity to OSIsoft PI servers, using OSIsoft's APIs**

**Security implemented in physical layer; Complete physical and galvanic segregation between networks.**

**Proprietary transfer protocol – No TCP/IP between the networks**

**Operational at critical national infrastructures worldwide**

**Scalable support of differently sized PI systems with negligible latency**

SCADA Servers often control extremely sensitive facilities and Critical National Infrastructures, such as nuclear power plants, power stations, hydroelectric dams and oil and gas pipelines.

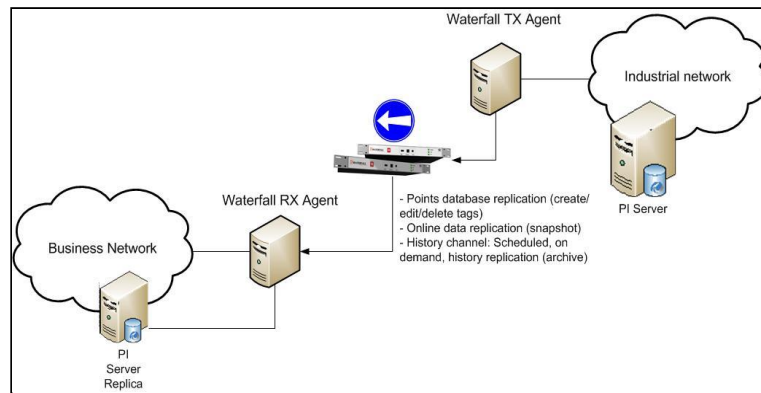
Naturally, these facilities are tempting, high-profile targets for hostile and terror related activities, including cyber-terror and cyber-hacking.

It has been clearly proven that sensitive networks which are connected to less sensitive or to public networks can never be completely secure: security breaches due to online attacks remain a major risk.

Even with the use of firewalls, intrusion detection & prevention systems, and other software-based security means there is never a guarantee of full protection, as all software based solutions are penetrable and vulnerable.

Waterfall Security Solutions has harnessed its unique hardware-based unidirectional technology to provide a completely secure solution for replicating PI data between segregated networks.

Waterfall One-Way™ provides a secure core for unidirectional connectivity, incorporating patent-pending technologies. The system implements a physical one-way connection, based on fiber optic communication, using a proprietary transfer protocol.



**The WF-SME for OSIsoft PI is a unique solution which enables secure, unidirectional, real time and foolproof replication of an OSIsoft PI Server from critical industrial networks to business networks.**

### Technical Information

**Appliance:** Dual appliances (Tx and Rx) 19" 1U

**Power:** 100-240V AC, IEC C14 socket (male)

**Data Throughput (sustained):** 100Mbps

**Operating System:** Windows™ and Linux™

**Option:** Dual redundant power supply

**Application:** Residing on two CFE servers (dual NICS required )

**Network Sockets:** RJ45 Ethernet ports

**Status:** Power, LAN and F/O activity LEDs

**Weight:** 1.6 Kg

Waterfall Security Solutions Ltd.

Office: +972-3-9003700 Fax: +972-3-9003707

Web: [www.waterfall-security.com](http://www.waterfall-security.com) Email: [info@waterfall-security.com](mailto:info@waterfall-security.com)

16 Hamelacha St. Afek Industrial Park, Rosh Ha'ayin, 48091 Israel