

Waterfall SME for OPC

Efficient and Protective Unidirectional Monitoring of OPC-based SCADA Data



WF-SME for OPC

Introducing WF-SME

Provides absolute, real-time and hack-proof transfer of OPC data from Industrial Networks to Business Networks

Full support of OPC DA 1.0a, 2.0, 3.0

Security implemented in the physical layer; Complete physical and galvanic separation between networks

Proprietary transfer protocol – No TCP/IP between the networks

Simple installation and implementation

Flexible and user-friendly control & monitoring capabilities

SCADA Servers and networks often control extremely sensitive facilities and critical national infrastructures, such as nuclear power plants, power stations, hydroelectric dams and oil and gas pipelines.

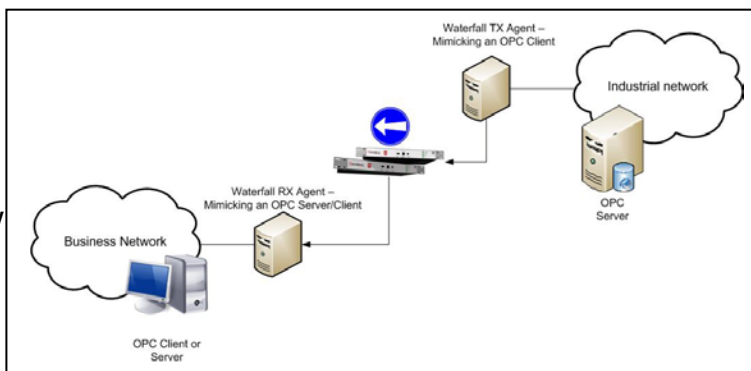
Naturally, these facilities are tempting high-profile targets for hostile and terror-related activities, including cyber-terror and cyber-hacking.

It has been clearly proven that sensitive networks which are connected to less sensitive or 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 for 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 transferring OPC 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 Waterfall Security SCADA monitoring Enabler for OPC (WF-SME for OPC) enables secure, unidirectional, real time, and foolproof transfer of OPC data from industrial networks to business and corporate 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

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