

# Waterfall SME for Modbus

Efficient and Protective Unidirectional Monitoring of Modbus Data

## Introducing WF-SME

Provide absolute, real-time and hack-proof transfer of Modbus data from industrial networks to business and corporate networks

Supports Modbus over TCP/IP networking;  
Enables transfer of 32 and 64 bits fields

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

Proprietary transfer protocol – No TCP/IP between the networks

Simple installation and implementation

Flexible and user-friendly control & monitoring capabilities



## WF-SME for Modbus

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

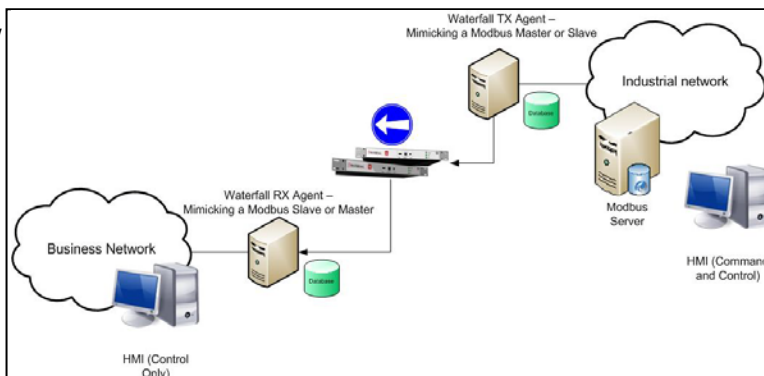
Naturally, these facilities are tempting high-profile targets for hostile and terror related activity.

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 Modbus data between segregated networks.

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



**The WF-SME for Modbus enables secure, unidirectional, real time, and foolproof transfer of Modbus data from 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

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