

PRODUCT BROCHURE

WATERFALL FOR INTRUSION DETECTION SYSTEMS

SAFE OT NETWORK INTRUSION DETECTION

Waterfall for Intrusion Detection Systems (IDS) enables enterprise networks to monitor operations technology (OT) and industrial control system (ICS) networks without risk to the protected networks. Waterfall for IDS is a hardware-enforced, physical barrier that prevents remote attacks, malware, DOS attacks, ransomware and human errors originating on external networks from compromising or impairing industrial operations through intrusion monitoring connectivity.

**100% protection**

from remote cyber threats

SAFE INTRUSION DETECTION

Safe port mirroring from OT to IT, without introducing Internet-based cyber threats to monitored networks

HOST-LESS CONFIGURATION

Provides statistics, heartbeat monitoring, traffic monitoring and visibility into IT networks through gate array logic, all without introducing host computers on either IT or OT networks

SEAMLESS INTEGRATION WITH CENTRAL OPS

Supports stand-alone operations and integration with industry-leading SIEM/SOC solutions

EASY MANAGEMENT OF IDS SENSORS

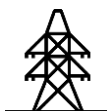
Network sensors can be deployed on IT networks for easy management, without risk to monitored OT networks

Protecting industrial sites since 2007

Rails



Oil & Gas



Power



Manufacturing



Water



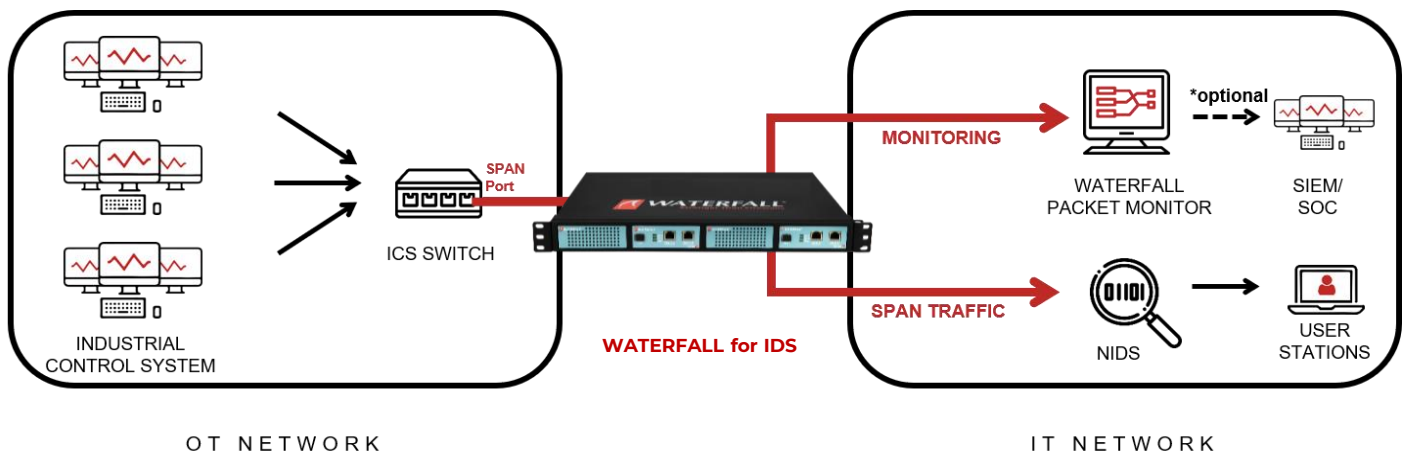
Pharma

Theory of Operation

Waterfall for IDS replicates traffic captures from OT mirror and SPAN ports, to network IDS sensors on IT networks. Waterfall for IDS deploys transparently between mirror ports and sensors, without the vulnerabilities that always accompany direct connections of IT equipment to OT networks.

Waterfall for IDS is a hardware product based on Waterfall's industry-leading Unidirectional Security Gateway technology. Waterfall for IDS hardware is physically able to transmit information in only one direction, from the OT switch to the IT sensor and is physically incapable of propagating any virus, DOS attack, human error or remote-control attack back into the protected OT network.

Sites can deploy OT network intrusion sensors on IT networks where the sensors are easily managed and updated by central SOC analysts, without introducing new hosts on the IT and OT network. With Waterfall for IDS in place, industrial enterprises can confidently deploy Intrusion Detection monitoring without risk to industrial operations.



Certification & Compliance

- » **Certified:** Common Criteria EAL 4+, ANSSI CSPN, NITES Singapore
- » **Assessed by:** US DHS SCADA Security Test Bed & Japanese Control Systems Security Center Bed, Idaho National Labs, Digital Bond Labs, GE Bently Nevada Systems Labs, and NISA Israel
- » **Complies with:** global ICS Standards & Regulations, NERC CIP, IEC 62443, NRC 5.71, NIST 800-82r2, CFATS, ISO, IIC SF, ANSSI, and many more.

ABOUT WATERFALL SECURITY

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. Waterfall products, based on innovative Unidirectional Security Gateway technology, represent an evolutionary alternative to firewalls. The company's expanding array of customers includes national infrastructures, power plants, rails, nuclear plants, onshore and offshore oil and gas facilities, refineries, manufacturing plants, utility companies, 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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