WATERFALL for **INTRUSION DETECTION SYSTEMS**
SAFE OT NETWORK INTRUSION DETECTION

Waterfall for Intrusion Detection Systems (IDS) enables network intrusion sensors to monitor operations technology (OT) and industrial control system (ICS) networks without risk to the monitored 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.

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

EASY MANAGEMENT OF IDS SENSORS

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

EASY INTEGRATION WITH CENTRAL OPERATIONS

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

NO NEW ICS HOSTS

Flexible hardware configurations include options where no new hosts or software need be introduced to sensitive ICS 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 combination of hardware and software and is 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. Waterfall for IDS is physically incapable of propagating any virus, DOS attack, human error or remote-control attack back into the protected OT network.

With Waterfall for IDS in place, industrial enterprises can confidently host OT network intrusion sensors on IT networks where the sensors are easily managed and updated by central SOC analysts, without risk to industrial operations. Waterfall for IDS is partnered with the following Intrusion Detection vendors: CyberX, ForeScout, Dragos, Radiflow, Splunk and FireEye.
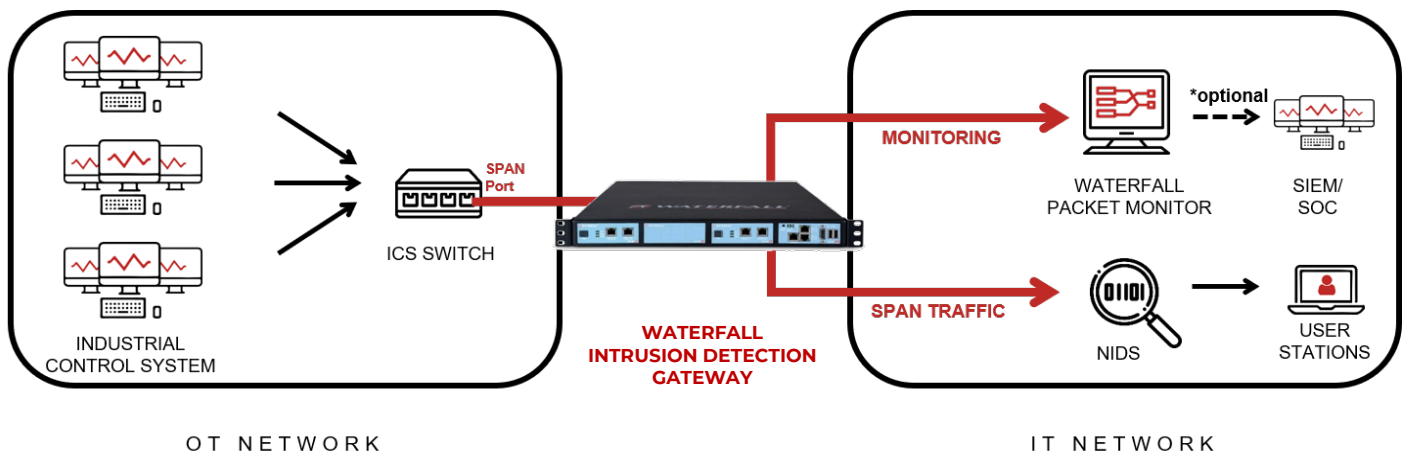
Certification & Compliance

» **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