



STOP CHOOSING BETWEEN OT VISIBILITY AND OT SECURITY

Hardware-enforced architecture for NERC CIP, TSA, and NIS2-regulated environments, officially supported in Industrial Defender v8.2

THE PROBLEM

Security and compliance teams need continuous visibility into OT assets, configurations, and vulnerabilities.

But firewalls, jump servers, and software enforced controls each create an inbound attack surface.

Misconfigured rules and compromised credentials have contributed to real-world OT incidents.

For organizations under NERC CIP, TSA, and NIS2, this gap is increasingly audited.

THE RISK: INBOUND ATTACK SURFACES



FIREWALLS



JUMP SERVERS



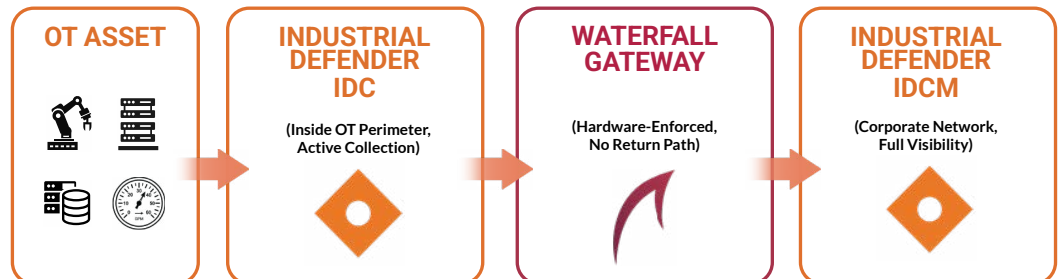
SOFTWARE CONTROLS

All create inbound attack surfaces.
Misconfigurations and compromised credentials.
Can open the door to your OT network.

HARDWARE-ENFORCED ONE-WAY DATA FLOW

THE ARCHITECTURE

The Waterfall Unidirectional Security Gateway sits at the IDC→IDCM boundary. It enforces hardware-level, one-way data transmission. No return path exists. It is physically impossible for attack information to enter the protected network. Industrial Defender's full active collection – SSH, Modbus, DNP3, S7 – is preserved inside the OT perimeter.



WHAT YOU GET



COMPLETE ASSET INVENTORY

Know every asset, all the time



CONFIGURATION CHANGE DETECTION

Detect changes and unauthorized drift.



CVE / VULNERABILITY MAPPING

Continuous vulnerability identification and risk prioritization



SECURITY EVENT CORRELATION

Connect events across assets and systems for faster response.



NERC CIP COMPLIANCE EVIDENCE

Automated, audit-ready evidence collection and reporting.



COMPLIANCE COVERAGE



NERC CIP
CIP-005, CIP-007,
CIP-010, CIP-013



TSA SECURITY DIRECTIVES
Pipeline Continuous Monitoring



NIS 2
IEC 62443
IT/OT Segmentation



NIST CSF
Identify . Protect . Detect



INDUSTRIAL DEFENDER

Since 2006, purpose-built for OT asset management, vulnerability management, configuration and change management, policy compliance, and threat detection in complex industrial environments. industrialdefender.com



WATERFALL SECURITY

Unidirectional Gateway technologies enabling safe IT/OT integration, enterprise-wide operational visibility, and disciplined control - stronger than firewalls. Deployed across national infrastructures, power plants, nuclear facilities, oil & gas, manufacturing, and utilities in North America, Europe, the Middle East, and Asia.

waterfall-security.com