

FRENOS

IMPROVE DEFENSES UTILIZING THREAT INTELLIGENCE

Transform Static Threat Intelligence into Dynamic Attack Simulations

Reveal exactly how specific threat actors could compromise your ot environment before they try.

WHY FRENOS FOR THREAT INTELLIGENCE?

LIVING THREAT VALIDATION

Test Real APT TTPs

Load actual APT group playbooks and test their techniques against your specific environment configuration. See which threats would succeed versus fail

ICS-SPECIFIC ATTACK CHAINS

Beyond IT Tactics

Simulates IT and OT-specific attack techniques mapped to MITRE ATT&CK going beyond traditional IT-focused threat intelligence

SAFE SIMULATION ENVIRONMENT

Test Destructive Attacks

Validate even the most destructive malware and attack techniques without any operational risk to production systems

THE PROBLEM

Your threat intelligence challenges in OT are unique:

- **Threat intel feeds provide TTPs** but no way to validate if they work in your environment
- **Cannot test adversary techniques** in production OT without catastrophic risk
- **Struggle to translate** IT-focused threat intel to OT-specific attack paths
- **Need to justify** threat hunting priorities based on actual risk, not assumptions
- **Lack visibility** into which threat actors pose real risk vs theoretical concern

You need a platform that improves your defenses against today's evolving threat landscape

OUR TECHNOLOGY





FRENOS operationalizes your threat intelligence through safe, comprehensive simulation.

The platform creates a digital twin of your OT environment and uses AI-driven adversary simulation to:

- **Load specific threat actor playbooks** (Lazarus, Sandworm, Volt Typhoon, etc.)
- **Map techniques to MITRE ATT&CK**
- **Simulate complete attack chains** from initial access to impact
- **Evaluate defensive capabilities** against each technique
- **Calculate success probability** for different threat actors

This transforms static intelligence into actionable insights about YOUR specific risk

OUR VALUE

	VALIDATE WHICH THREATS MATTER	Prove if any ICS malware campaigns would fail against your architecture
	FOCUS THREAT HUNTING EFFORTS	Identify the exact threat groups that could bypass your defenses
	JUSTIFY SECURITY INVESTMENTS	Use real attack simulation data to support threat hunting priorities
	OPERATIONALIZE THREAT INTEL	Turn theoretical threats into actionable defense improvements

KEY CAPABILITIES

THREAT ACTOR PROFILING	ATTACK SIMULATION	DEFENSE VALIDATION
Load specific APT group TTPs Import malware campaign patterns Track emerging ICS threats Monitor threat evolution	Complete kill chain testing Multi-stage attack validation Lateral movement analysis ICS-specific techniques	Control effectiveness testing Detection gap identification Response capability assessment Mitigation recommendations

USE CASES

THREAT INTELLIGENCE OPERATIONALIZATION	THREAT HUNTING PRIORITIZATION	ADVERSARY EMULATION
Test if specific APT groups could compromise your environment Validate which malware variants would succeed Assess emerging threat impact Prioritize defensive improvements	Focus on threats that could actually succeed Identify high-probability attack paths Validate hunting hypotheses Optimize resource allocation	Safe testing of destructive attacks Comprehensive TTP coverage Continuous threat validation Automated assessment updates

THREAT COVERAGE

Comprehensive threat actor library including:

Nation-State Groups: Lazarus, Sandworm Team, APT28, Volt Typhoon

ICS Malware: TRITON/TRISIS, Industroyer, Stuxnet, FrostGoop

Ransomware Groups: With ICS targeting capabilities

Emerging Threats: Updated threat intelligence feeds

Custom Playbooks: Import your own threat scenarios



ABOUT FRENOS

FRENOS is the pioneer in AI native OT security posture management, protecting all 16 critical infrastructure sectors with its autonomous security platform. By combining digital twin technology with SAIRA, an AI reasoning agent, FRENOS enables organizations to continuously assess, prioritize, and defend mission critical environments. Purpose-built for OT environments and developed alongside partners from five critical infrastructure sectors, FRENOS is helping operational technology operators understand their posture today to protect against tomorrow's threats

DEPLOYMENT OPTIONS

- On-premises
- Cloud
- Standalone laptop
- No internet connection required

PROVEN RESULTS

"Proved that 80% of recent ICS malware campaigns would fail against our architecture"
- *Threat Intelligence Lead, Energy Sector*

"Identified the exact two threat groups that could bypass our defenses"
- *Threat Hunter, Manufacturing*

"Turned theoretical threat intel into actionable defense improvements"
- *Security Analyst, Critical Infrastructure*