

FRENOS

THE AUTONOMOUS OT SECURITY ASSESSMENT PLATFORM

FRENOS.IO
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Frenos empowers enterprises to scale security assessments across operational technology (OT) environments at a fraction of the time. By combining a digital twin with an AI reasoning agent, the Frenos platform identifies the most probable adversary tactics, techniques, and procedures (TTPs), so organizations can prioritize their mitigation activities to stay ahead of today's threats. This intelligence-driven and customer-specific approach enables security teams to shift from today's reactive approach to building tomorrow's proactive defense. Developed in partnership with leaders across five critical infrastructure sectors, Frenos is a platform built by OT professionals for OT security teams.

ABOUT THE PLATFORM

The Frenos Platform is designed with the unique requirements of operational technology in mind. Our flexible deployment options include on-premises, cloud, or standalone laptop installations ensuring your data remains under your control, with no internet connection required. Powered by a digital twin, the platform only requires data from your existing security infrastructure and tools

WHY FRENOS?



ASSESS CONTINUOUSLY WITHOUT DISRUPTION

- **Digital Network Twin**
Creates a digital twin of your network to simulate attack scenarios, offering a comprehensive view of possible threats without impacting live systems.
- **Continuous Adaptive Environment Analysis**
Integrates with your existing security tools and technologies, adjusting the likelihood of attack success based on your current defenses.



PRIORITIZE WITH SIMULATED AI REASONING

- **AI Adversarial Intelligence**
The Frenos Platform employs trained AI within the digital twin to think like sophisticated adversaries, providing more accurate and realistic simulations of potential threats.
- **Adaptive Defense Recommendations**
The Frenos platform adapts its tactical defensive recommendations based upon your environment's compensating controls or risk management decisions.
- **Comprehensive Insight**
By providing individual attack step techniques, tactics, or procedures that can be leveraged in sequence, the Frenos Platform provides a holistic view of potential attack scenarios.



PREEMPT THREATS WITH FORWARD-LOOKING DEFENSE

- **Contextual Insights**
Unlike solutions that overwhelm teams with generic recommendations, Frenos provides contextual, prioritized remediation guidance specific to your OT environment
- **Preemptive Defense**
Empowering security team to take a proactive approach, staying ahead of potential threats moving beyond reactive detection and response.

ASSESS



PRIORITIZE



DEFEND



Visibility



Vulnerability



Segmentation



Prioritized Vulnerabilities



Improved Defensive Mitigations



Configuration Recommendations



Visibility Suggestions



Segmentation Improvements



Track & Trend Progress

THE PROBLEM

Organizations need a scalable security assessment platform that ensures zero impact on operations.

Organizations today operate complex networks that support mission-critical systems, devices, and applications. Downtime in any of these areas can lead to significant financial, reputational, safety, or security risks. Due to the reliability and sensitivity of these environments, traditional cybersecurity tools—such as network enumeration, vulnerability scans, and exploitation tools—cannot be used to assess security postures. While specialized consultants provide alternatives, their assessments are often limited, slow, and expensive.

OUR TECHNOLOGY

The Frenos Platform digitally maps your current environment, including cybersecurity controls.

Our AI agent then simulates MITRE ATT&CK scenarios, identifying likely attack steps and offering preventative recommendations. It adapts to evolving external threats and internal compensating controls, providing continuous, environment-specific attack surface mitigation.

OUR VALUE

The Frenos Platform conducts OT security assessments at speeds and scales no other technology platform, consultant, or pentesting team can.

Additionally it recommends the most relevant security mitigations to improve your security posture so your defensible architecture can be quantified and trended over time.

OUR STORY

Frenos is founded by a former Fortune 500 cybersecurity architect with over 20 years experience securing critical infrastructure and an ex-malware developer turned AI/ML leader from Dragos and AWS who have joined forces to build the industry's first continuous security assessment platform.

Frenos (Pronunciation: FRAY-nos):
Noun (control/restraint in Spanish & Greek)
Frenos systematically slows down OT cyber threats.

“THE FRENOS PLATFORM ALLOWS US TO VALIDATE OUR DEFENSIVE ARCHITECTURE AND FOCUS OUR EFFORTS ON THE MOST IMPORTANT RISK REDUCTION ACTIVITIES.”

Security Architect

KEY BENEFITS



Assessments at Scale

Reduce OT assessment times from months to minutes with zero operational impact.



Efficient Resource Allocation

Optimize your security efforts by focusing on the most cost effective risk reducing tactical activities.



Cost Savings

Reduce costs associated with manual penetration testing and expensive consultants hours by leveraging continuous, AI-driven analysis.



Time Efficiency

Save time with automated, real-time simulations and prioritized action plans, allowing security teams to focus on strategic tasks.



Future-Proof Defense

Stay ahead of evolving threats with a platform that continuously learns and adapts.

