

High-Tech Manufacturing

Staying Ahead of Attackers with Automated Moving Target Defense

Customer

Medium-sized high-tech manufacturer of building materials known for its innovative use of technology, superb quality, and supply chain leadership.

Challenge

The company utilizes highly advanced technology - much of it developed internally - to design and manage complex supply chains of disparate products. Everything is automated and integrated, from offshore purchasing, to warehousing, to their own local manufacturing to delivery. This IT and automation form the company's core competencies and business differentiators. A security breach in the enterprise would not just cause financial harm, but could affect their entire business model and market standing.

The company's complex, interconnected supply chain broadens its threat exposure significantly. To safeguard its intellectual property and ensure operations are not disrupted by a cyberattack, the company has a strong, proactive commitment to cybersecurity. According to the company CIO, regarded as an industry visionary, "We bake security in strategically - it's not a bolt-on." Under his leadership, the IT team applies the same integrated, streamlined approach used in their manufacturing to cybersecurity.

The company recently replaced its traditional antivirus with AI-based Next Gen threat protection. The CIO quickly realized that, while an improvement, the AI-solution did not provide adequate protection from advanced in-memory attacks. They needed a solution to address these types of advanced attacks, but it could not create overhead or interfere with their sophisticated manufacturing and supply chain operations.





Industry

High-Tech Manufacturing



Environment


Highly automated environment with a mix of packaged and proprietary software

Challenges

-  Complex, interconnected supply chain
-  Maintain reputation as leaders in manufacturing technology with rigorous cybersecurity
-  Replaced traditional AV with AI-based Next Gen threat protection but it did not effectively combat fileless and in-memory attacks
-  Lean and streamlined approach to security
-  Zero breach tolerance

Solution

-  Strengthen endpoint stack with Morphisec for advanced threat prevention
-  Protect the enterprise from both commodity threats and advanced, targeted attacks without creating overhead or interfering with IT automation



“Morphisec keeps us two steps ahead of the attackers. It transformed our threat protection performance without forcing us to transform our endpoints, operations, or processes.”

– CISO at a High-Tech Manufacturing Company

Solution

Recognizing that advanced in-memory attacks represent a different and existential class of threats, capable of stopping production and business operations, the company CIO concluded that a different technology was needed, one that did not rely on prior knowledge of the attack. He defined three KPIs for a security solution: coverage, speed, and ease of use. After investigating various solutions, he narrowed the focus to prevention over detection-response type products, identifying Automated Moving Target Defense (AMTD) as the most promising approach. He selected the Morphisec Platform due to its optimal performance in meeting his KPIs and groundbreaking AMTD technology. The CIO was particularly impressed with the way Morphisec reduces the attack surface and uses deception to force attacks to reveal themselves.

Morphisec was installed without an initial pilot. Deployment proceeded without a single operational disruption or conflict with other security products or applications.

Results

Since installation, Morphisec has operated flawlessly, significantly reducing the company's attack surface with zero associated maintenance. For the CIO this is critical, as time his team spends on security maintenance and false alerts means time away from their core business. He also appreciates that endpoints and operations are not slowed down by heavy software or updating of security rules.

The enterprise is now protected from both commodity threats and advanced attacks, like fileless and browser-based attacks, exploits, and malware, Trojans and scripts that use evasive techniques, and backdoor, supply-chain attacks embedded in otherwise legitimate applications. Moreover, since Morphisec effectively prevents unknown threats, there is no lag in coverage against attackers' newest threats or latest evasive maneuvers.

“A layered defense consisting of AMTD obstacles and deceptions significantly elevates an organization’s security posture.”

Gartner

Tech Innovators in Automated Moving Target Defense



See Morphisec in action

Stop ransomware with our
Preemptive Cyber Defense Platform

Get a demo

About Morphisec

Founded in 2014, Morphisec, a pioneer in blast radius resiliency, keeps your business safe by intelligently anticipating and neutralizing threats - minimizing the impact and blast radius of cyber incidents and ensuring uninterrupted business operations without the need for constant tech team intervention or impact to performance.

Powered by Automated Moving Target Defense (AMTD) technology, the next evolution of cybersecurity, Morphisec protects over 7,000 organizations across nine million Windows and Linux endpoints, servers and workloads. Morphisec stops thousands of advanced attacks daily at Lenovo/Motorola, TruGreen, Cipla, Citizens Medical Center, and many more. Learn more at www.morphisec.com

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