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Manufacturing's Ransomware Crisis

The Scale is Staggering

Most heavily targeted industrial sector in 2025

2300 manufacturing organizations were victimized by ransomware.

1,298 attacks tracked by Halcyon against manufacturers. Over 100 monthly.

83 different ransomware groups targeted manufacturing.

3-4 manufacturing companies impacted every single day.

The Impact Is Global

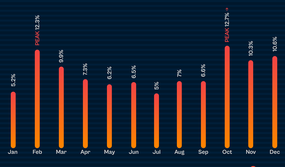
U.S. Manufacturers are Primary Targets

51% United States

6% Germany	6% Canada	4% UK	3% Italy
2.5% Japan	2.3% India	2% Spain	1.5% Brazil

The Volume Is Unprecedented

Manufacturing is under constant assault. There is no "safe" period.



Their Objective: Paralyze Operations and Financial Disruption

DAY 1 — DAY 14

74% of all attack victims need more than two business days to recover

37% required between three and seven days

33% needed up to two full weeks

For Manufacturers:

- Production downtime is catastrophic, every hour costs significant revenue.
- OT/IT convergence creates vulnerabilities, connected systems expand attack surface.
- Production downtime affects your customers, creates leverage for attackers.

What's coming in 2026

AI-powered reconnaissance
78% of leaders say AI makes attackers more effective

ICS-specific ransomware
Purpose-built for industrial control systems

Coordinated multi-supplier attacks
Simultaneous strikes to maximize disruption

Without Action, 2026 Won't Be Better.

Every manufacturer Halcyon tracked that suffered a ransomware attack in 2025 had security tools in place, including firewalls, antivirus, and even EDR. The attacks were still successful.

How do ransomware operators evade detection? They...

- Disable endpoint security before deploying ransomware
- Use legitimate credentials to avoid triggering alerts
- Use trusted system tools that security software allows
- Target backup systems to prevent recovery
- Time attacks for nights, weekends, and shift changes

Organizations cannot rely on security tools that attackers have learned to bypass.

98% use EDR for ransomware defense; it is not enough.

Who truly trusts it to protect against modern ransomware?

25%

The Halcyon Anti-Ransomware Platform delivers:

- Ransomware-specific behavioral detection across the entirety of the attack chain.
- Data exfiltration prevention before attackers can steal IP and operational data.
- Blocking Encryption even when other security tools have been disabled.
- Backup-free recovery capabilities to minimize production disruption.

To learn more about how Halcyon protects manufacturers from the disruption of ransomware, schedule a demo or visit halcyon.ai

*Data Sources:
Halcyon threat intelligence. Statistics current as of January 2026.
Halcyon, "Ransomware Survey: Q1 2026: Narratives and Amplification Opportunities," January 2026.

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