Q3 2025 INCIDENT ANALYSIS

# **Industrial Cyber Risks**

Key OT cyber incidents, insurance trends, and the case for industrial cyber risk quantification.

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DATE

**November 2025** 



## **Presentation Agenda**

loss) and key lessons learned.

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**Q3 2025 Incident Landscape** 

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**Insurance Market & Gaps** 

Premium shifts, coverage limitations, and the growing protection gap.

**Jaguar Land Rover Case Study** 

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**Why Quantification Matters** 

Moving from qualitative checklists to financial risk metrics.

sectors.

**Ransomware & Hacktivist Trends** 

Analysis of OT/industrial cyber incidents, trends, and impacted

How DeNexus DeRISK™ Helps <u></u>

Platform overview, capabilities, and client success outcomes.

Data on surge in attacks targeting manufacturing and critical infrastructure.

Analysis of the £882M total impact (incl. £485M direct revenue

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#### **EXECUTIVE SUMMARY**

### What Leaders Need to Know

Watershed Moment for OT: Q3 2025 saw industrial cyberattacks reach unprecedented scale and sophistication, moving beyond theoretical risks.

Major Incidents: The quarter was defined by the Jaguar Land Rover £882M total impact (£485M direct revenue loss) and a 26% surge in manufacturing ransomware.

Physical Consequences: OT sites experiencing cyber incidents with physical impacts jumped 146% YoY, proving that OT attacks are no longer low-impact events.

Insurance Paradox: Global premiums fell (-6%) due to capacity, yet underwriting rigor for quantification increased significantly.

Systemic Exposure: Modeled severe global OT cyber losses could reach \$329.5B, highlighting the need for advanced risk modeling.

- Sources:
- ITPro: JLR Incident Analysis
- ☑ Waterfall: 2025 OT Threat Report
- FERMA: Cyber Insurance Analysis

- GuidePoint: GRIT Q3 2025 Report
- Marsh: Insurance Market Index
- SecurityBrief: Global OT Loss Analysis



problem."

STRATEGIC IMPERATIVE

It has evolved into a board-level financial risk that requires quantified management, not just compliance checklists.







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## **By The Numbers**

Key statistics revealing the escalation of industrial cyber risk.







## Q3 2025 Incident Landscape

Escalating attack frequency across manufacturing and critical infrastructure sectors.



#### KEY TAKEAWAY

OT attacks are becoming both more frequent and more consequential, with physical impacts accelerating faster than general incident rates.

#### **Physical Impact Surge**



OT SITES WITH PHYSICAL CONSEQUENCES

146% **146**%

- Confirmed incidents with actual operational disruption
- Verified physical consequences
- Not potential vulnerabilities

#### **SOURCES:**

- GuidePoint Security GRIT Q3 2025 Report (Manufacturing Ransomware Data)
- Waterfall Security 2025 OT Threat Report (Physical Impact Data)
- Cyble (Hacktivist OT Campaign Data)



## The \$329.5 Billion Question

Coordinated industrial OT attacks could drive catastrophic global losses under severe scenarios.



**PREVALENCE** 22% **Organizations Hit Last Year** Experienced a confirmed OT cybersecurity incident.







## **Anatomy of a Disaster: Timeline**

How a seemingly routine intrusion cascaded into a six-week production shutdown.

#### **LATE AUGUST 2025**

#### **Network Intrusion**

Attackers compromised IT network. They understood JLR's IT/OT integration and just-in-time production dependencies.

#### **SEPT 1 - 30, 2025**

#### **Total Production Halt**

Complete shutdown across all UK facilities. Highly automated lines could not operate without real-time data flows from compromised infrastructure.

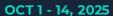
**⊘** ZERO OUTPUT



#### **SEPT 1, 2025**

#### **Detection & Stop**

Intrusion detected. IT systems shut down as precaution. Unexpected consequence: Manufacturing dependent on IT data halted immediately.



#### **Phased Restart**

Complex recovery process. Multiple setbacks occurred as system contamination and safe sequencing challenges emerged during restart.



#### ▲ Impact Reality Check

A single IT/OT dependency failure triggered a multi-week shutdown because the organization lacked quantified scenarios for safe manual operations.



## JLR Financial Impact Breakdown

Integrated IT/OT dependencies turned a security incident into the costliest industrial cyberattack in history.





Values presented in GBP (£) millions.

Sources: ITPro JLR Incident Analysis 🛂

approx. \$1.1 Billion USD



## **Lessons for OT-Intensive Organizations**

Critical gaps revealed by the JLR incident that every industrial leader must address.



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#### IT/OT Integration Risk

Modern manufacturing's efficiency gains come with cascading failure risks that traditional security models fail to address. Just-in-time processes create fragile dependencies where IT failures immediately halt OT production.



#### **Recovery Complexity**

Restarting integrated industrial systems safely requires careful sequencing that can take weeks or months. Manual workarounds are often theoretical and fail under the pressure of a real-world cyber crisis.



#### **Supply Chain Amplification**

A single manufacturer's shutdown triggers billion-dollar ripple effects. Contractual penalties and supplier support costs can exceed direct revenue losses, amplifying the financial impact significantly.



#### **Insurance Gaps**

Even sophisticated cyber insurance policies may not cover the full scope of business interruption in highly integrated environments. Standard limits are often exhausted by the sheer scale of industrial downtime costs.



## Ransomware & Hacktivist Trends in OT

Dual surge in criminal extortion and politically motivated disruption targeting industrial assets.





PREVALENCE22%Organizations experienced an OT incident in past year

IMPACT
40%
Incidents resulted in operational disruption

#### **WHAT THIS MEANS FOR OT LEADERS**

Attackers are aggressively pivoting from IT to OT environments. Security strategies must prioritize preventing lateral movement and securing supply chain intrusion paths rather than just perimeter defense.



## **Insurance Market Shifts: The Great Recalibration**

While premiums soften globally, underwriting standards are becoming increasingly rigorous.

REGION	RATE CHANGE	MARKET CONDITION	CAPACITY TREND	PRIMARY DRIVER
Global Average	- 6%	Soft	↑ Increasing	New carrier capacity entering market
Europe	- 12% to -15%	Very Soft	Abundant	Intense competition for market share
North America	- 2% to -6%	Soft	= Stable/Increasing	Improved risk controls adoption
Asia-Pacific	- 4% to -8%	Soft	⊯ Growing	Market development & maturity

#### THE UNDERWRITING EVOLUTION

- Quantified Risk Models

  Shift from checklists to financial impact modeling
- OT-Specific Coverage Tailored forms for operational technology risks
- Dynamic Pricing
  Premium adjustments based on real-time controls

"Clients with demonstrated stronger security controls achieved 20-25% greater rate reductions in Q3 2025, clearly showing that evidence-based risk management drives both security and economic outcomes."

FERMA CYBER INSURANCE REPORT

#### Sources:

Rate Changes: Marsh Global Insurance Market Index

Controls Impact: FERMA Demystifying Cyber Insurance Report

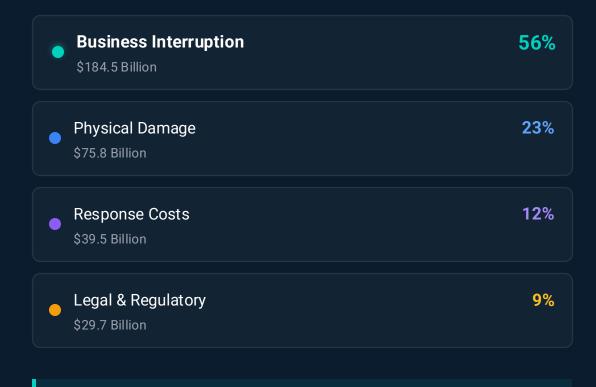


## **Severe Scenario Impact Analysis**

Breakdown of potential \$329.5 billion global losses under coordinated OT attack scenarios.



#### LOSS COMPONENT BREAKDOWN



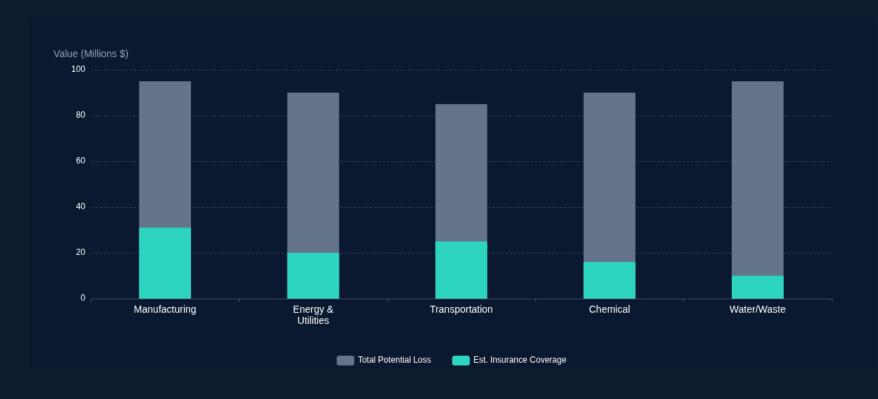
#### DOMINANT RISK FACTOR

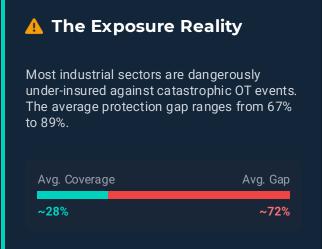
Business Interruption outweighs physical damage by more than 2x, confirming that operational downtime is the primary financial driver in systemic OT events.



## Sector Vulnerability & Protection Gap

Massive disparity between potential OT losses and available insurance capacity across critical industries.





#### WHY THE GAP EXISTS

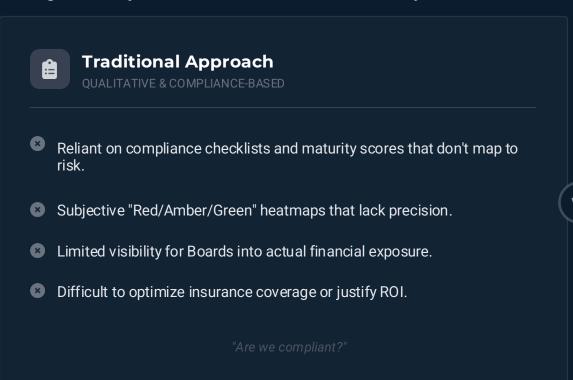
- Insufficient policy limits for catastrophic scenarios
- Exclusions for nation-state & systemic attacks

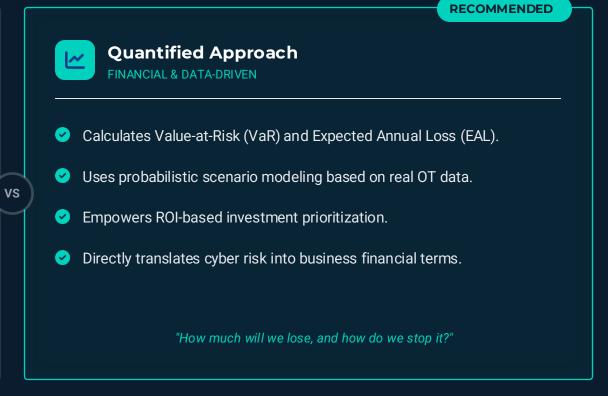
Coverage confusion: Physical damage from cyber events often falls between policy types — cyber insurers may consider it property damage while property insurers view it as cyber-excluded



## Why Quantification Matters

Moving from subjective checklists to financial certainty is critical for modern industrial risk management.







Average risk reduction from implementing incident response planning

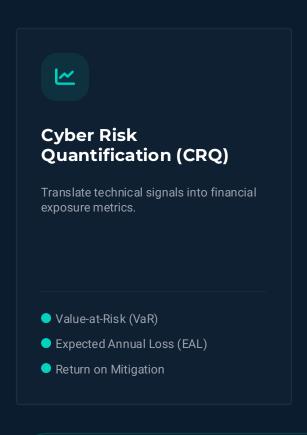


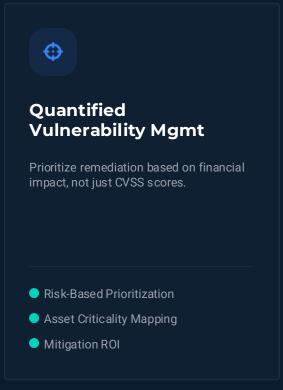




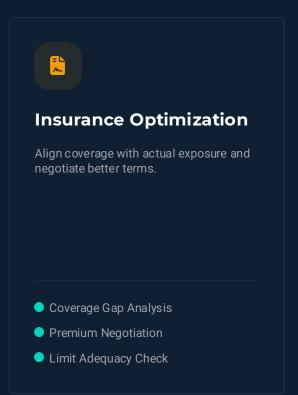
## DeRISK™: Comprehensive OT Cyber Risk Quantification

The industry's leading platform empowering organizations to identify, quantify, and manage cyber risk exposure across industrial environments using data-driven financial metrics.









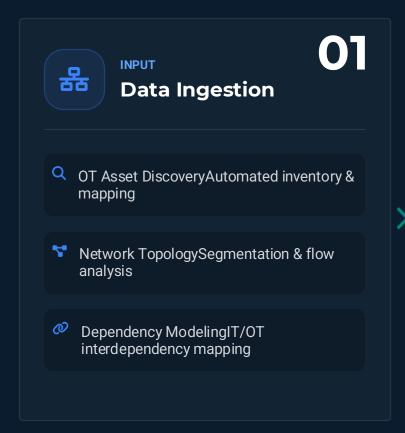




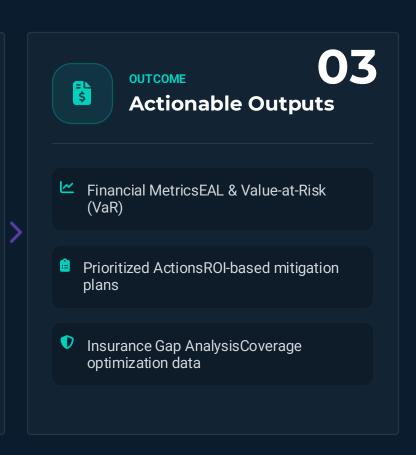


## How DeRISK™ Works in OT Environments

End-to-end quantification workflow transforming technical data into financial intelligence.







**TAKE ACTION** 



## What's Next?

Transform your industrial cyber risk management from reactive to proactive with DeNexus.



#### **Request Assessment**

Request a DeRISK™ assessment of your OT environment to establish a defensible risk baseline.



#### **Align Strategy**

Align OT cyber risk with your insurance strategy to optimize coverage and reduce premiums.



#### **Schedule Workshop**

Schedule a private workshop with DeNexus risk experts to customize your roadmap.

**Start Your Transformation** 





