

Foxboro I/A Security Update

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EOSYS



AGENDA

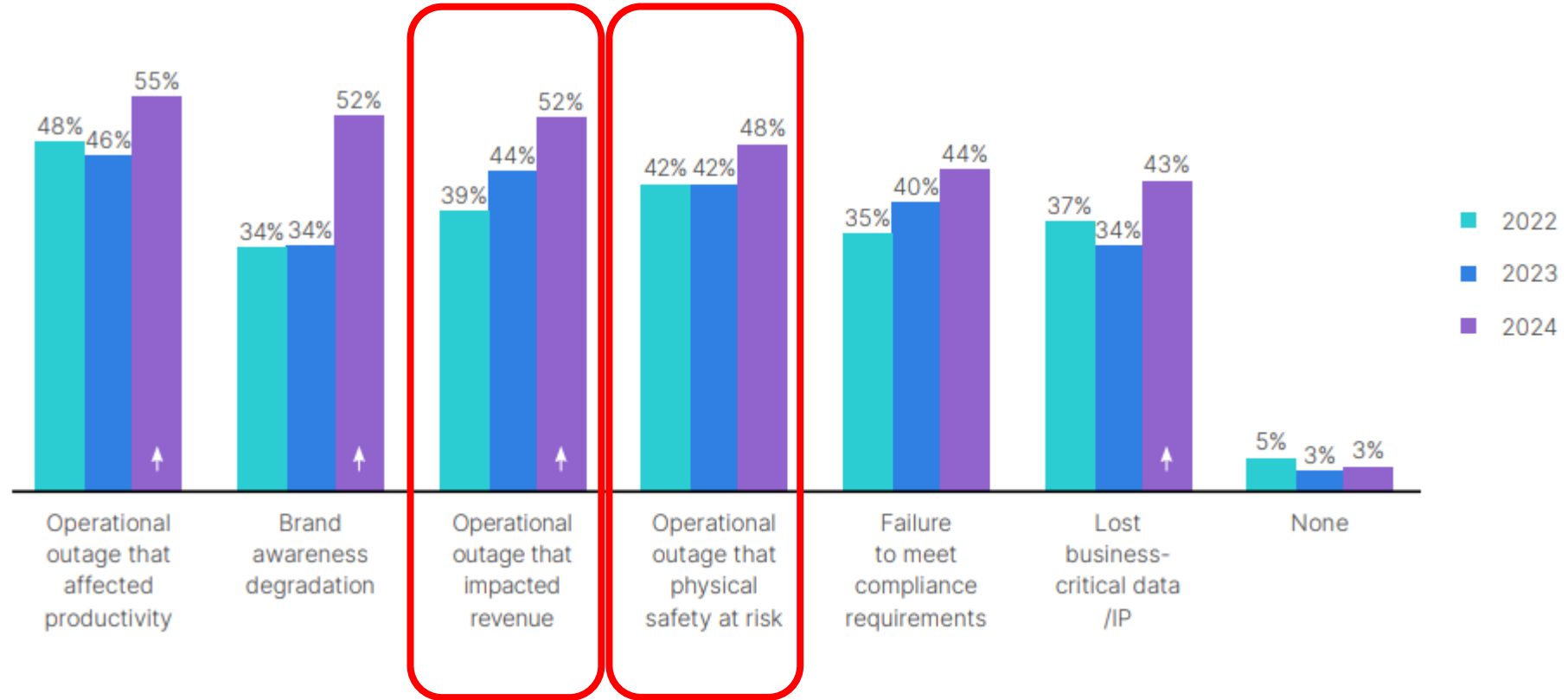
- History of OT Cybersecurity
- What are the biggest risks currently?
- SANS Top 5 Security Controls
- How do you find funding?

History of OT Security

- Shot heard around the world?
 - 2010: Stuxnet
- Ukraine 2015
- Triton/Trisis 2017
- NotPetya Ransomware 2017
- Pipedream 2022



What Happened in 2024?



Ransomware in Q4 2024

RANSOMWARE INCIDENTS BY REGION

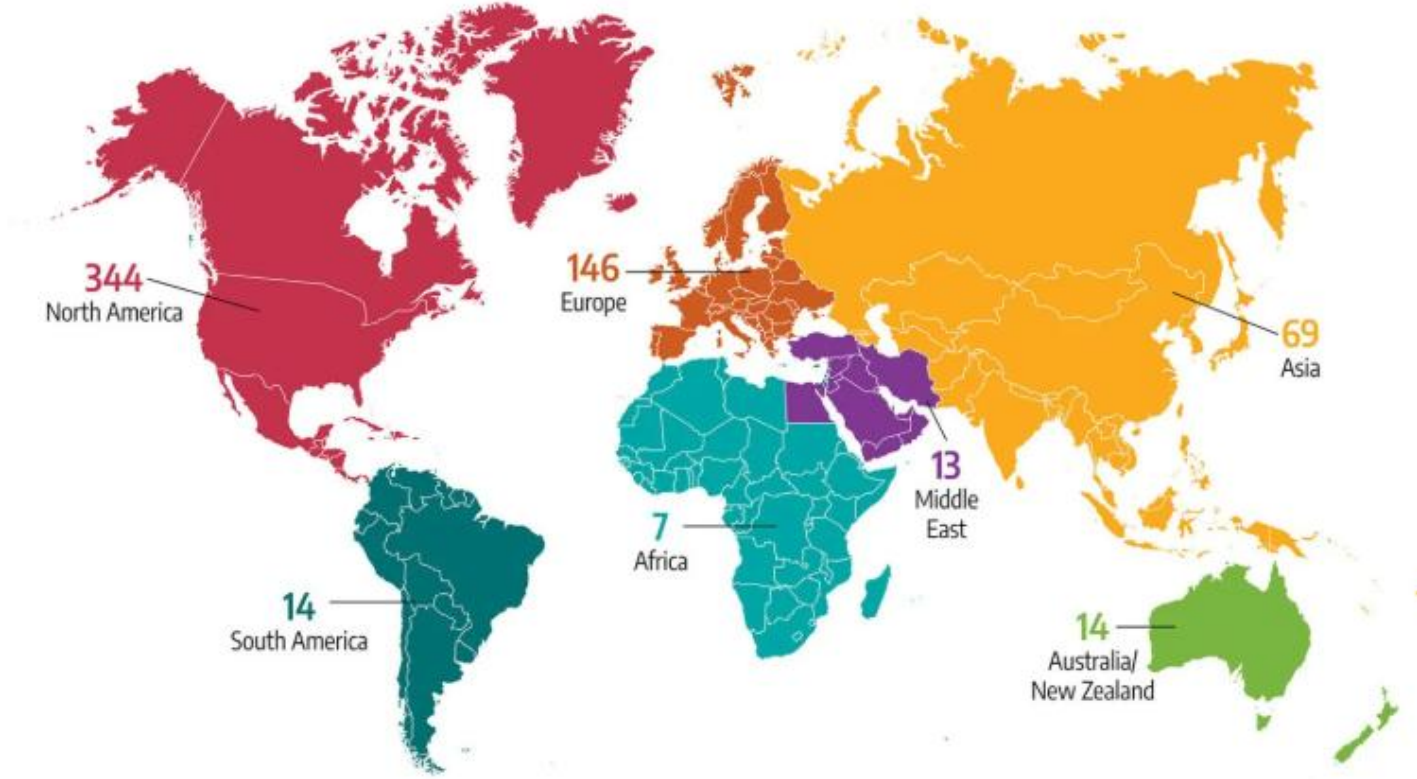


Figure 1 Ransomware Targets by Region, Fourth Quarter of 2024

Ransomware in Q4 2024

RANSOMWARE BY MFG SUBSECTOR

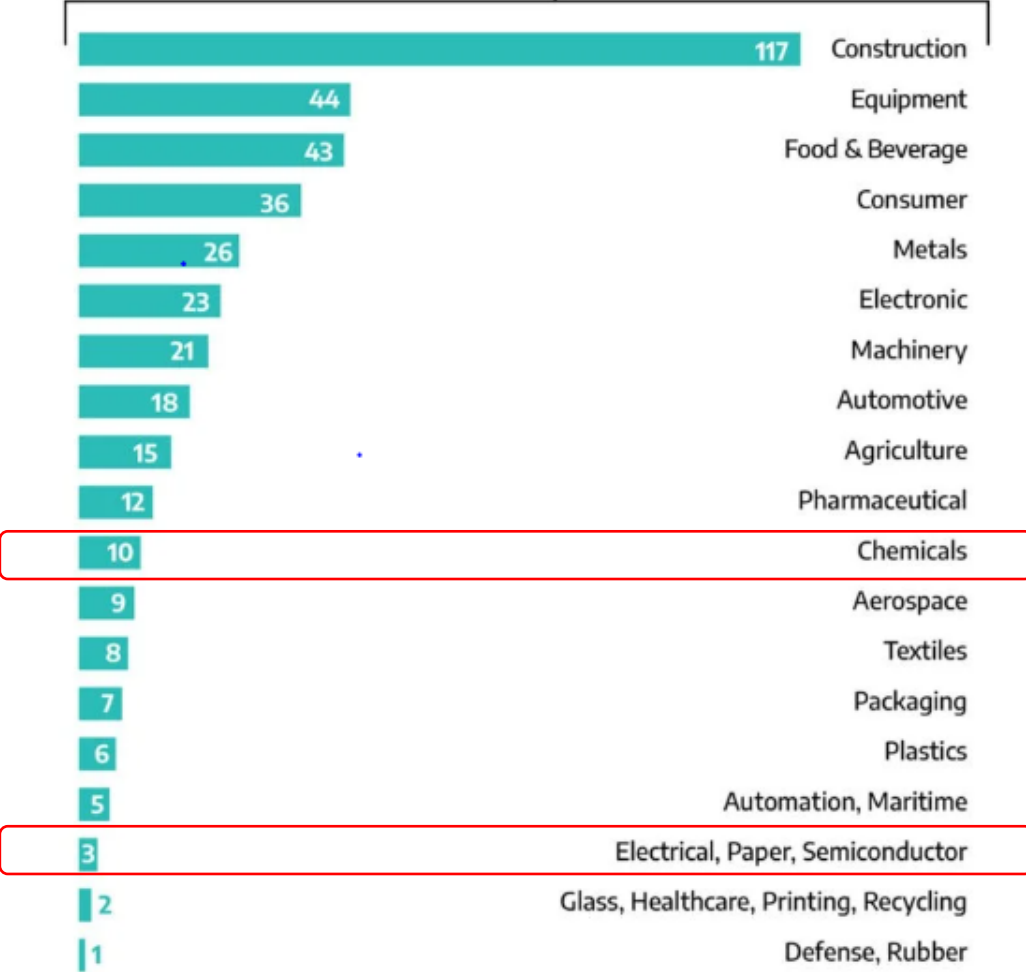


Figure 2 Ransomware Incidents by Industry Sector, Fourth Quarter of 2024

SANS Top 5 Controls/EOSYS Implementation Plan

- Incident Response
- Defensible Architecture
- Visibility/Monitoring
- Secure Remote Access
- Risk Based Vulnerability Management

- Perimeter Establishment
- OT Specific IR Plan
- Network Segmentation & Hardening
- Controlling Access to & Within System
- Monitoring the Network
- Vulnerability Management

HOW TO FIND FUNDING



Finding Funding

- **Reach out** to your Security Team
- **Present** the problem to Operations
 - What attacks have happened in your industry?
 - What does a bad day look like?
 - How do we prevent a bad day?
- **How long would it take** you to recover from Ransomware?
 - What is the cost impact to Operations if your DCS was ransomed?
 - Have you ever tested your DR strategy for the DCS system?
- **Are you dependent** on your ERP or other IT systems?



ANSWER THESE QUESTIONS IN
GRAPHICAL TERMS

PRESENT TO
**OPERATIONS & SECURITY
TEAMS**

QUESTIONS?



A person wearing a white hard hat and a high-visibility safety vest is seen from behind, sitting at a workstation in a control room. The workstation features several computer monitors displaying various data and charts. The entire scene is overlaid with a semi-transparent purple filter. The text 'THANK YOU!' is prominently displayed across the center of the image.

THANK YOU!

