

FROM DIGITIZATION TO DIGITAL RESILIENCE

3 Priorities for Manufacturing's Next Chapter

Manufacturers have led the way with digital transformation — from the enterprise to the factory floor. But as exciting as industry 4.0 is, it's not utopia.

Rising security threats

More than three-quarters of manufacturers suffer data breaches.

Expensive downtime

87 hours

is the average time for manufacturers to recover from each cybersecurity-related incident caused by human error.

\$255 billion

is the cost of downtime for manufacturing organizations.

Decarbonization expectations

79%

of industrial organizations have decarbonization targets.

85%

of all companies are off track for net zero in operations by 2050.

Manufacturers' new top priority: digital resilience.

Here are three things they want to accomplish:

1

Prevent major issues by modernizing OT security.

Cybersecurity challenges are more intense in manufacturing than nearly any other industry.

#1 most targeted industry

Share of cyber attacks

Higher likelihood of shutting down critical systems

77%

of manufacturers say they spend significantly or somewhat more time on maintaining tools than defending threats (compared to 46% across all industries).

Cybersecurity attacks are on the rise in the last year

55%

of manufacturers faced an insider attack

51%

of manufacturers encountered an AI-powered attack

Modernizing OT security for manufacturing is key. [Learn more](#)

Securing IoT and OT is critical, but managing complexity due to too many disconnected tools is a top challenge for manufacturers — with 60% saying tools do not integrate well with one another.

Splunk bridges traditional silos so manufacturers can detect, investigate, and respond faster to cybersecurity threats across IT and OT.

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Splunk enables us to detect and respond to security incidents quickly and accurately. It also provides insights that were previously unattainable, allowing us to proactively address potential issues before they escalate.

Gombodorj Munkhbat,
Information Security Manager, Shunkhlai Holding LLC

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Outcomes for Shunkhlai Group

2-3x

faster incident response

2x

faster mean time to detect and respond (MTTD/MTTR)

50%

reduction of system downtime

Understand the top threats facing manufacturing. [Learn more](#)

2 Remediate threats and disruptions faster by achieving traceability.

Manufacturers want to see every aspect of a product's life cycle so they can find ways to improve operations.

But gaps in data visibility have long prevented the industry from achieving full traceability.

49%

of manufacturers report excellent visibility across infrastructure they own and operate (compared to 29% of infrastructure they don't own and operate).

Today's technology is closing the gaps to make traceability possible:

- Linking systems and customizing data
- Building projects onto each other
- Leveraging insights from existing tools

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REGENERON®

In the manufacturing facility, 'Health TV' is displayed on centralized screens in the lab and on the plant floor as an easy-to-read spotlight dashboard exhibiting how many samples are in the queue, how many are coming in, and the status of those samples against their SLAs.

Keith Keimig,
Associate Director, Cybersecurity Monitoring,
Regeneron

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Outcomes for Regeneron

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significant data loss events

800-hour

reduction in instrument downtime

Near-perfect

patch compliance

3 Adapt quickly to take advantage of new opportunities, like net zero.

Regulatory bodies are pushing progress on the road to net zero.

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In one shape or another, these disclosure requirements are coming.

Sara Mahaffy,
ESG strategist at RBC Capital Markets LLC

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January 2023

The EU adopted the Corporate Sustainability Reporting Directive (CSRD) applying to 50,000 companies.

June 2023

The International Sustainability Standards Board (ISSB) issued its first disclosure standards.

October 2023

California became the first U.S. state to pass legislation requiring climate disclosures.

Climate disclosures might feel intrusive — but they are also a big opportunity for manufacturers.

2X

energy cost

Reducing carbon footprint also slashes energy costs.

The 2024 global energy price index is expected to be more than 2x what it was in 2020.

Sustainable measures attract more conscientious consumers.

80% of consumers say they are willing to pay more for sustainably produced or sourced goods.

Manufacturers can start with IT sustainability. Moving on-premises data centers to the cloud can drive significant CO2 savings — up to 80%.

Manufacturers can drive progress toward net zero. [Learn more](#)

Build digital resilience with edge-to-enterprise visibility

With Splunk, manufacturers gain comprehensive visibility across digital systems so they can respond faster to security threats, keep systems up and running, integrate IT and OT systems, and take advantage of new opportunities.

[Learn more about Splunk for Manufacturing >](#)

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