

Powering Operational Resilience for Manufacturing

With Sword and Splunk

Manufacturing is modernising, **but connected systems introduce new risks.**

The convergence of IT and operational technology (OT) systems is reshaping modern manufacturing. When operational data flows seamlessly across systems, manufacturers can:

- **monitor production in real time**
- **detect issues earlier**
- **optimise performance across machines, facilities, and supply chains.**

Complex OT systems keep equipment running and products moving across production lines, warehouses, and global supply chains. As these systems connect with enterprise IT networks and industrial IoT technologies, manufacturers gain new visibility into operations, but also face greater exposure to threats and operational disruption. Manufacturers need unified visibility across factory systems and stronger cyber security to detect risks and respond quickly before disruptions impact production.

Together, Sword and Splunk help manufacturers unify IT and OT data to strengthen operational resilience. By combining Sword's decades of expertise in industrial environments with the Splunk unified data platform, manufacturers can gain deeper insight into factory operations, improve security across connected systems, and turn industrial data into actionable intelligence.

16%

of industry leaders say they have real-time monitoring across the entire manufacturing process

Source: Zebra Technologies Manufacturing Vision Study

79%

of manufacturers have suffered a data breach in the last year — higher than the cross-industry average of 66%

Source: Splunk State of Security in Manufacturing 2025

Full visibility drives resilience in complex IT-OT environments

As factory environments expand to include connected machines, robotics, sensors, and edge devices, maintaining visibility becomes increasingly difficult. Without clear insight into what is happening across the factory floor, teams can struggle to identify equipment issues, investigate anomalies, or understand how events in enterprise IT systems may impact production systems.

Sword and Splunk provide a unified approach to monitoring converging IT and OT environments. Sword helps manufacturers build the right foundation on the unified Splunk platform to bring this telemetry together and give operations and security teams a full view across both IT and OT systems.

Now, manufacturers can move towards more proactive, resilient operations.



Protect critical systems

Understand and prepare for common cyber threats, and fight back with complete visibility, AI-powered threat intelligence, and high-fidelity alerts.



Reduce downtime

Combine OT telemetry with advanced analytics to identify patterns, detect early signs of equipment issues, and reduce the risk of costly downtime.



Manage data overwhelm

Bring together disconnected data, and business context, to gain real-time insight into equipment performance, production processes, and operational trends from the enterprise to the factory floor.

Leading manufacturers lean on Sword's deep industry experience. An in-house team of specialists works directly with plant operators, engineers, and IT teams to deliver practical guidance, build unified visibility across IT and OT systems, and operationalise security and resilience across production environments.

Together, manufacturers can gain visibility into all assets and systems to keep production running securely while strengthening operational resilience across the business.

Backed by the industry-leading Splunk data and security platform, Sword helps organisations:

- **Establish OT monitoring strategies**
- **Integrate OT telemetry into Splunk**
- **Operationalise security monitoring**
- **Build scalable resilience programmes**

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