

NASSAR

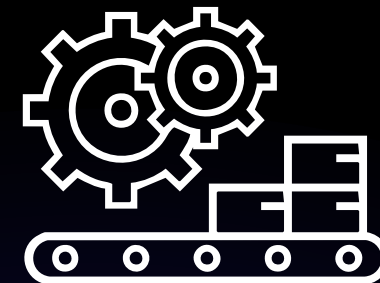
**Operational
Technology (OT)**

Protecting the heart of industry

Picture this...a manufacturing plant is brought to a standstill due to a network breach.

Critical communication between operational technology (OT) systems is disrupted and production must stop for days, costing precious resources and revenue.

This isn't just a cautionary tale. It's a growing reality for manufacturing, logistics, energy, and utilities businesses. As more systems are digitised and connected, vulnerabilities in OT systems have become prime targets for attacks.





What is Operational Technology?

OT is the hardware and software that controls physical processes in certain industries. Examples of OT include systems that control power generation; platforms that monitor fleet vehicle locations and optimise routes; and technology that oversees industrial machinery used in assembly sequences.

Whether used in a production line or a power grid, OT systems are an essential component of modern society.

As the pace of digital transformation accelerates, OT and IT systems are becoming more interconnected. While the convergence has boosted efficiency, it's also helping businesses make smarter, data-driven choices. However, despite the benefits, combining OT and IT has introduced new risks to complex and delicate operations.

Legacy OT systems, designed to work in isolation, are now being exposed to network threats and the consequences of IT misconfigurations.

The challenges of securing OT

Protecting OT systems isn't easy. Some of the biggest hurdles include:



Legacy infrastructure: Many old systems have fallen behind today's networking and security best practices and bringing them into compliance is proving difficult.



Increasing connectivity: Greater integration with IT services is expanding attack surfaces faster than in-house technical teams can handle.



Sophisticated threats: The OT-IT convergence has presented attackers with a unique opportunity. Malware designed to disrupt physical operations is now on the rise.



Skill gaps: Despite the urgent need to secure these vulnerabilities, there's a shortage of professionals with OT cyber security expertise.

How Nasstar and Fortinet can help

We're working with Fortinet to secure OT environments with a multi-layered approach:

- **Tailored solutions:** As manufacturing, logistics, energy, and utilities experts, we design security strategies that match industrial needs.
- **Threat protection:** Through automation and best practice, Fortinet's market-leading tools provide visibility into networks and strong defences against threats.
- **On-going support:** Our connectivity experts will act as an extension of your team by providing continuous value and proactive support.

Chris Briers

Regional Manager, MSSP UKI at Fortinet

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"The convergence of OT and IT is transforming industries, but it also introduces new risks. Forward-thinking organisations are prioritising cyber security as a core component of their digital strategy. With technologies advancing quickly, the future of OT security lies in proactive threat hunting and adaptive protection. With Nasstar and Fortinet on your side, you can secure your operations while embracing the opportunities of Industry 4.0."

Case study:

A global automotive manufacturer

- **The brief:** Jaguar Land Rover struggled with outdated OT systems, siloed technical processes, and poor data visibility.
- **The solution:** We introduced a cloud-native analytics platform that collects data about the car manufacturing process.
- **The benefits:** Insights are now fed back into car design and engineering to improve the functionality and operation of vehicles, as well as increase production efficiency.

We remain engaged with Jaguar Land Rover, providing important consultancy as well as a 24/7 managed service to ensure that OT and IT operate in unison. As JLR and the wider automotive industry begin to focus on electric cars, a partnership with Nasstar is crucial to success.



Building a safer, smarter future together

Businesses like yours need more than just tools

With a trusted partner like Nasstar, you'll be ready to face the complexities of secure networking.

Our experience in manufacturing, logistics, energy, and utilities ensures that critical systems stay secure, efficient, and flexible. Whether you need to protect OT systems from evolving threats, optimise security operations for faster response, or enable seamless connectivity, we've got you covered.

Leigh Walgate

Managing Director, Secure Networks at Nasstar

"Our goal is to build secure and adaptable networks that empower businesses to focus on what matters most - growth and innovation. With Fortinet as our trusted partner, we're leading the charge to create resilient networks that support our customers' long-term success."

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Let's secure your success

Ready to transform networking in your organisation? Partner with Nasstar to unlock the full potential of OT, SecOps, and SD-WAN.

Safeguard your critical infrastructure today.

Get in touch



nasstar.com

0345 003 0000

salesenquiries@nasstar.com