Operational Technology Cyber Security

OT underpins much of our critical national infrastructure across water, energy, transportation and logistics, aerospace and defence, food and beverage, chemicals and pharmaceutical sectors. You will also find elements of OT supporting all modern enterprises, from IIoT within data centres, to physical security systems, CCTV, HVAC, elevator and escalators within buildings.

Generally, OT suffers from multiple cyber security issues including a high prevalence of legacy systems (with average lifecycles measured in decades), often insecure-by-design systems which prioritise availability with limited resources, many of which have significant potential consequences if they were to fail – with many industrial organisations facing both significant financial losses and potential safety implications.

Threat

The threat to our CNI continues to rise, with the number of cyber incidents and their impact increasing year-on-year. Industrial organisations continue to be a high-value target for attackers due to the relative ease of disruption, leading to both interest from nation-state aligned groups and those using ransomware to demand higher ransoms. The manufacturing sector continues to top lists of those experiencing the most attacks, paying the highest cyber insurance premiums, claiming the most on their policies, and experiencing the highest costs to recover.

Why Now?

Industry 4.0 has seen the digital transformation of our industries, enabling real-time decision making, higher levels of productivity, flexibility and agility. Unfortunately, this came as the cost of eroding the only level of cyber protection these systems often had – airgaps. The convergence of IT and OT environments has significantly increased the threat to our industrial environments without introducing risk mitigations. This has led to the increase in cyber incidents and cyber insurance costs we now are experiencing, and with it, increasing levels of government regulation to tackle the issue. All of these factors are driving board-level engagement with cyber security, with many industrial organisations now acknowledging operational cyber risk as one of their top priorities across their entire business.

The Only 100% UK Owned & Operated IT & OT Security Provider

At Sapphire, we're more than just a cybersecurity company – we are your trusted partner and an extension of your team. We understand the immense pressures your security teams and leaders face. We're committed to ensuring you have a trusted advisor by your side, offering the guidance and expertise to support you where it's most needed. Over twenty-five years of delivering tailored security solutions to organisations across the UK.

To find out more or to speak to an expert contact us today

CONTACT US TO FIND OUT MORE

Or call: 0845 58 27001

OT Cyber Review

With many organisations still at an early stage of maturity when it comes to their OT cyber security, Sapphire's OT Cyber Review delivers you a 360° understanding of your operational cyber risk and an improvement plan to increase your operational cyber resilience.

- In-depth **visibility** of your OT **assets**, their **vulnerabilities** and their **risk** to your operational **resilience**
- An understanding of your current level of alignment to key **regulations**, international **standards** and industry best practice, aligned to your risk tolerance
- **Ongoing asset and vulnerability management** of your OT environment, prioritised to reduce operational cyber risk
- A vision for the future on how to **effectively reduce cyber risk** and **increase resilience**, ensuring return on investment for mitigation strategies
- **Ongoing support** from Sapphire to ensure your future plans stay on-track, and that any changes to your business are reflected in your OT cyber strategy

dot™

Sapphire's OT Cyber Review includes a licence for our innovative OT asset discovery and vulnerability management solution, Dot™. Dot™ conducts asset and vulnerability discovery on operational technology to generate a comprehensive picture of your network. Through the use of security-by-design and safety-critical scanning technology, our solution supports both modern and legacy networks, and leverages exclusive active scanning software. Dot™ works around the common constraints of OT environments to enable in-depth visibility without adding significant complexity to deployment.

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