Secure Digital Platform for IT & OT

Endian´s unified Cybersecurity for machinery and equipment in industrial & critical environments

Digital Transformation is critical to improving operational efficiency, agility, and competitiveness in today's digital age. This summary provides insights into the Digital Transformation journey for IT (Information Technology) & OT (Operational Technology) environments, covering challenges, opportunities and solutions. Endian ensures a secure and effective transformation by protecting interconnected IT & OT systems with its robust cybersecurity solutions.

5 Main challenges of Digital Transformation for IT & OT environments

Navigating the Digital Transformation journey for both IT (Information Technology) & OT (Operational Technology) environments presents several key challenges for management and decision-makers:

① **Integration Complexity:** Harmonising IT & OT systems, which often operate in silos using different technologies and protocols, presents integration challenges. Ensuring seamless connectivity while maintaining security and operational efficiency requires careful planning.

② **Cybersecurity Risks:** The convergence of IT & OT exposes organisations to increased cybersecurity risks. Managing the expanded attack surface and protecting critical infrastructure from cyber threats requires robust security measures and proactive risk mitigation strategies.

③ **Legacy Infrastructure:** Many organisations rely on legacy IT & OT systems with long lifecycles. Upgrading or replacing these systems requires strategic planning to minimise disruption and costs, while ensuring compatibility with modern digital technologies.

④ **Skills Gap:** The shortage of skilled professionals with both IT & OT expertise complicates digital transformation initiatives. Recruiting and retaining talent capable of implementing and managing integrated solutions is essential, but challenging.

⑤ **Compliance and Regulatory Pressure:** Organisations must comply with various industry regulations and standards related to cybersecurity, such as NIS2, the EU Machinery Directive, the EU Cyber Resilience Act, ISO 27001 and IEC 62443. Achieving compliance requires robust security measures tailored to both IT & OT environments.

CEO Survey on cyber security

42%
of executives feel strongly threatened by cyber risks in the next 12 months.

51%
see technological change as a driver for new business models.

75%
CLOSED
of SMBs could not continue operating if they were hit with ransomware.

Source: https://www.pwc.de/en/cyber-security/ceosurvey.html

Source: https://www.strongdm.com/blog/small-business-cyber-security-statistics

Secure Digital Platform for IT & OT

Endian comprehensive cybersecurity solution tailored for both IT & OT environments, ensuring robust protection, streamlined management and compliance all in one.

The main components of our Secure Digital Platform are:

Zero Trust Architecture: Offers tight network access control for maximum cybersecurity. Enhances data security by authorizing access solely to approved resources based on specific criteria, bolstering organizational security.
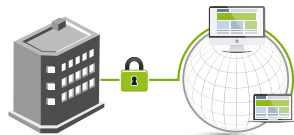
Secure Remote Access: Allows secure access to company resources from anywhere, enhancing flexibility and productivity while cutting costs and benefiting the environment. Also improves support response times.

Device Management & Automation: Enhances security, streamlines workflows, and boosts operational efficiency. It also addresses the skills gap by reducing dependency on specialized expertise through automation.

Unified Threat Management: Provides a comprehensive defense against cyber threats to protect data and reputation. It includes intrusion detection and provides proactive risk identification and mitigation for peace of mind and enhanced security.

Distributed Network Observability: Monitoring for early issue detection and optimized performance. Enhances visibility, enabling proactive decision-making to minimize downtime and identify potential threats or performance opportunities.
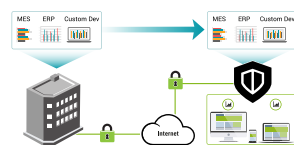
Edge Computing: Processes data at the source for faster response and efficiency, driving innovation and a competitive advantage. It reduces data transmission size, lowers costs, enables proactive asset monitoring, and supports third-party apps for expanded functionality.
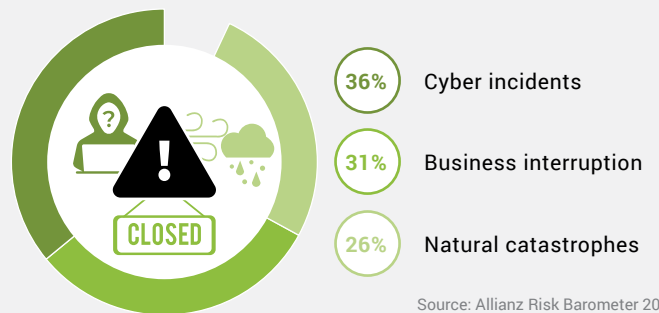
Compliance: Ensures adherence to legal regulations and industry standards, reducing risks and fostering trust. Endian strengthens compliance efforts by enabling IEC 62443 standards, providing robust cybersecurity solutions tailored to industry requirements.
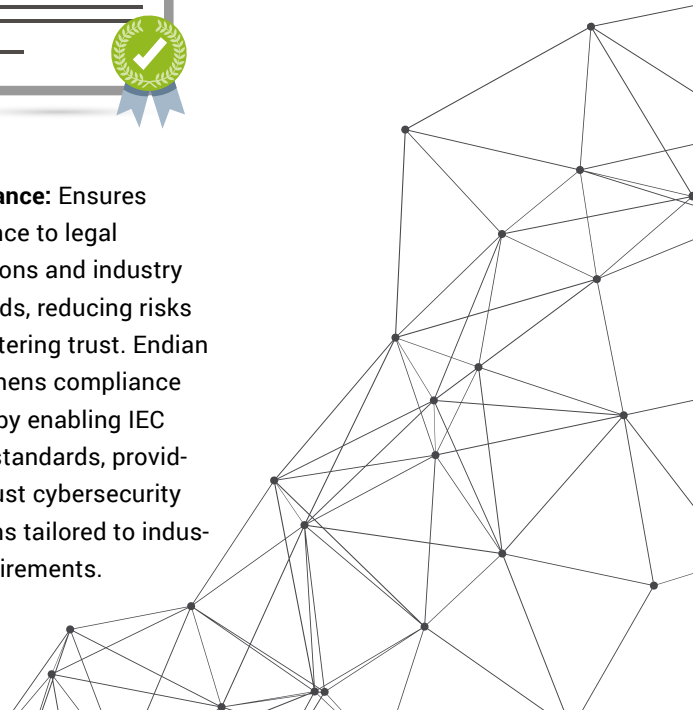
Why does IT & OT cybersecurity matter?

IT & OT cybersecurity are critical to protecting the interconnected systems that drive our modern world. Both are increasingly interconnected, creating more opportunities for cyber threats. Securing these systems ensures the confidentiality, integrity and availability of critical data and operations. Without effective cybersecurity measures, these systems are vulnerable to malicious attacks that can disrupt operations, compromise sensitive information, and even threaten public safety.

The most important global business risks for 2024

36% Cyber incidents

31% Business interruption

26% Natural catastrophes

Source: Allianz Risk Barometer 2024

IT & OT: A unified approach

Endian's unique unified Cybersecurity Platform stands out in addressing the critical need for IT & OT cybersecurity in the midst of digital transformation. Protecting assets, mitigating cyber risks, ensuring business continuity, meeting compliance, and securely driving innovation are paramount. Business decision makers must prioritize cybersecurity as a fundamental aspect of their digital transformation strategy.

Ensure your business continuity with Endian's integrated Digital Transformation and cybersecurity solutions! Stay resilient, productive and trusted in today's digital landscape.
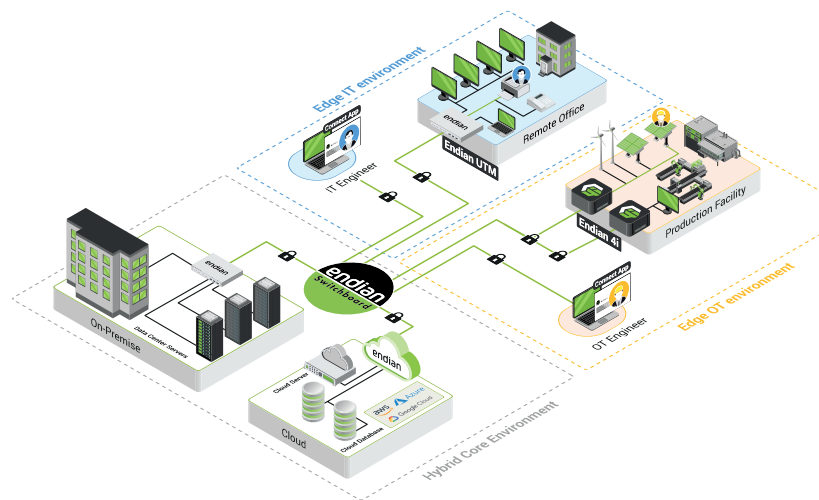
Endian's mission is to provide a **unified cybersecurity platform** that connects distributed IT & OT devices, simplifying the **digital transformation** of businesses.

Endian's unified cybersecurity platform addresses the challenges and opportunities of digital transformation for both IT & OT environments. With over 20 years of IT cybersecurity experience and over 10 years of OT cybersecurity expertise, Endian is uniquely positioned to help organizations simplify their challenges.

OVER **20** YEARS OF IT-CYBERSECURITY

OVER **10** YEARS OF OT-CYBERSECURITY

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