CGI Cyber – keeping rail services secure

We help organisations achieve cyber security resilience and are a trusted partner of public and private service organisations across the UK.

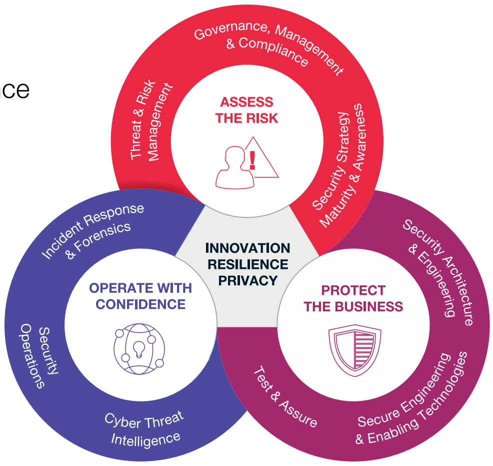
Commuters need assurance that their personal data is protected and their interactions are safe and secure as they travel across transport networks. With increasing reports of cyber-attacks, business executives recognise that hard-earned trust can vanish with a single incident.

Cyber security incidents, resulting in breaches of data are on the increase. Criminals and hacktivists continue to attack, hitting the headlines as frontline services and supporting applications are disrupted, money defrauded or personal data leaked. In addition, business leaders are under pressure to consider guidance such as the Department for Transport's "Rail Cyber Security – Guidance to Industry" and also maintain compliance. Rail companies need to continuously innovate and utilise EDGE computation or IoT to comply with a large number regulatory standards including Security Policy Framework (SPF), Cyber Essentials (CE) and National Institute of Standards and Technology (NIST)'s Cyber Security Framework.

Our solution

At CGI cyber security is part of everything we do, so although it may seem difficult to consider security while trying to innovate and improve rail operations, we can help make this a reality. Our cyber security services operate in three integrated areas:

- Assess the risk
- Protect the business
- Operate with confidence


Governance, Management & Compliance
Threat & Risk Management
ASSESS THE RISK
Security Strategy Maturity & Awareness
Incident Response & Forensics
INNOVATION RESILIENCE PRIVACY
Security Architecture & Engineering
OPERATE WITH CONFIDENCE
PROTECT THE BUSINESS
Security Operations
Cyber Threat Intelligence
Test & Assure
Secure Engineering & Enabling Technologies

A cyber security partner you can trust

- We are one of the largest cyber security suppliers in the UK.
- Many of our team are recognised as leaders in the industry, contributing to the development of standards such as ISO/IEC 27002.
- 53 million IoT devices communicate through CGI systems.
- We hold a range of security certifications including: ISO27001:2013, ISO22301, Cyber Essentials, Cyber Essentials Plus and ISO27701.

Integrating services across the security spectrum

Railway employees may not fully understand their own cyber responsibilities and the consequences of their actions if they do not follow policy and guidelines.

CGI provide focused training, guidance, services and tools to inform, educate and maintain security awareness. Our Cyber Escape experience is a great way to learn about cyber security in a fun and interactive environment and can be moved to client sites to support local employees and activities with local community groups. We also offer a proactive Operational Security Monitoring service to identify and help resolve cyber attacks quickly, and in some cases, before they happen. Within the UK, we use security-specific robotic process automation (RPA) to enable security teams to automatically detect and triage incidents so that they can instantly analyse and respond to threats. Previous activities that have required more than two hours triaging of cyber security incidents now take less than one minute, allowing critical infrastructure resources to use their time and skills more effectively.

Ensuring compliance

Across the industry, regulatory security and privacy standards have emerged including Cyber Essentials, ISO27001, PCI-DSS and GDPR/DPA18, as well as Codes of Connection. Whilst there is advice and guidance available for cyber security best practices in rail, it can be difficult to understand security and privacy requirements to achieve industry compliance.

CGI helps organisations of all sizes to achieve relevant certifications while integrating security good practice guidelines such as the Security Policy Framework to ensure compliance with appropriate security and privacy regulations.

About CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. At CGI, we are insights-led and outcomes-based to help clients accelerate returns on their investments.

For more information
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