RIOT SOLUTIONS
Securely Connecting Everything™

Solutions Brief

Cyber Security Services

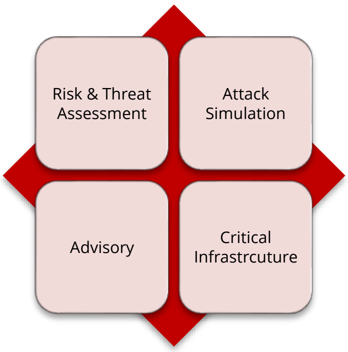
No matter how big or small your business is, whether your clients are local or global, cyber security is a threat. In today's digital world, it takes a robust cyber defence to manage new and emerging threats within the Enterprise, Industrial, and Internet of Things (IoT) landscapes.

The risks to enterprises' network connected systems have never been higher. Threats range from ransomware, spear-phishing, hacktivism, or a combination of these, and even commercial espionage. But it is the burgeoning wave of digitisation and the increase of Internet connected devices that is revealing the inadequacies of legacy infrastructure and applications. Industrial control systems are not like standard IT systems and fortifying industrial networks is a different challenge to securing IT networks.

Assess - Simulate - Advise - Review

RIoT Solutions can help you navigate the risks of operating a business in a truly connected world. Using our skills and expertise, we can architect your defence for every stage of the attack lifecycle; blending assessment, testing and simulation methodologies based on accepted industry best practices to secure your organisation's networks from attack.

Professional Services Suite



Our portfolio of Cyber Security Services and experience covers all areas of security and risk assessments of both enterprise-grade networks and critical infrastructure consisting of potentially fragile network-connected systems such as Real-Time SCADA and other devices.

Active validation through cyber security assessments and testing of IT and OT environments is an important task in ensuring secure deployment and operations of critical assets, a safe working environment for staff, and reliable supply of essential services.

We focus on three main areas across both traditional IT and OT environments:

1. **Business and Enterprise IT** infrastructure and systems
2. **Industrial Control Systems** and SCADA
3. **Building Management Systems** and Automation platforms

Contact RIoT Solutions:

Visit us: Level 22, 144 Edward Street, Brisbane
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It’s time to be Smart. Connected. Secure.

Risk & Threat Assessment

Assurance services you can depend on with a highly pro-active and unique approach

RIoT Solutions provides Web Application and Infrastructure Assessments both internal and external to your network for IT and OT environments to identify weaknesses which a real-world hacker could exploit to gain full access and control of systems, critical assets, and services. Our team has been built with a strong commitment to offensive security techniques, ensuring our core strength comes from providing assessment activities by real hackers, resulting in the highest level of value provided to our customers. The team is highly certified with a proven record of testing complex systems and critical infrastructure environments.

Attack Simulation

Measure the true maturity of your security investment in people, process, and technology

Our Attack Simulation services, also known as a Red Team assessment or War Games, will test your organisation's security, network, and other defensive Blue Team operations and capabilities. We will test the level of efficiency of past and current cyber security education and awareness programs by running a targeted phishing campaign and other types of social engineering activities and aspects of physical security. A Purple Team exercise can provide significantly more value through stronger, deeper assurance activity. We include a team of RIoT Solutions experts to take on the role of both Red Team and Blue Team working with you to identify technical risks and provide the ability to detect adversary tactics.

Advisory-as-a-Service

Increase your cyber security posture and capability with strategic advice from senior consultants

Our experienced Cyber Security resources can work with you shoulder to shoulder providing CISO type assistance and guidance. Whether it is onsite, part time or simply access to a subject matter expert, we can provide independent advice on architecture, operations and system security.

Critical Infrastructure

We understand the criticality of Security for Industrial and IoT environments

As technology solutions are designed and implemented for ICS and IoT projects, there is a requirement for security assessments that are performed by an independent 3rd party specialising in cyber security, with appropriately qualified resources. RIoT Solutions offers a range of security services to meet clients’ digital technology needs and are one of the few organisations in Australia that offers resources with ICS/SCADA security and industry specific training and certifications.

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Why choose RIoT Solutions

The RIoT-X-Factor

Our people; a hand-picked assembly of experts addressing the security challenges or threat faced by your organisation

As experts at Securely Connecting Everything™ and with our wealth of enterprise ICT and industrial knowledge, RIoT Solutions is in a unique position to understand the challenges and requirements of securing smart and connected networks. We hire self-motivated, responsible and trustworthy staff carrying a 'can-do' attitude and a high level of emotional intelligence to complement their wealth of technical expertise.

Our consultants have attained multiple levels of the highly respected 'Offensive Security' certifications (OSCE, OSCP, OSWP) and the CSSA qualification; have attended a diverse range of ICS security focused training courses and conferences in Europe and the United States and have provided critical infrastructure security assessment services to many Australian organisation's that operate and/or build critical infrastructure systems.

We extensively utilise a combination of vulnerability assessment and penetration testing methodologies that are based on accepted industry best practice standards, recommendations and guidelines. These include:

- OWASP Testing Guide
- PCI Data Security Standard (PCI DSS) Penetration Testing Guidance
- Open Source Security Testing Methodology Manual (OSSTMM)
- NIST Special Publication 800-115
- ASD Essential Eight

In addition, at any time, we can hand-pick a multi-disciplined team of skilled experts to join forces and resolve a specific challenge or incident – known as the RIoT-X Team. A RIoT-X engagement will expand and amplify your response providing remediation and containment options unlike any other team – a true X factor.

Services Matrix

	Risk & Threat Assessment	Attack Simulation	Advisory Services	Critical Infrastructure
Services	➢ Vulnerability Assessments ➢ Penetration Testing	➢ Red, Blue & Purple teaming	➢ CISO-as-a-Service ➢ Architecture & Operation strategy	➢ Security reviews and gap analysis against industry standards & best practice
Capabilities & Methods	➢ Offensive Security ➢ OSINT & OPSEC information gathering ➢ Black box testing ➢ Report presentation to key stakeholders & executives	➢ Phishing & 'Human Target' campaigns ➢ Social Engineering ➢ Physical Security & Surveillance ➢ Command & Control Device Drop ➢ Pivoting & Lateral movement	➢ Validation & Verification of maturity levels ➢ Recommendations and input into security improvement programs & initiatives	➢ ICS/SCADA & IoT Vulnerability Assessments ➢ Operations review
Key Benefits	➢ Evaluate your security investment & Test your cyber-defense capability ➢ Comply with regulation such as ISO27000 Series, IS18, NIST SP 800 Series, ISA/IEC 62443, PCI-DSS, ASD Essential Eight	➢ Measure the maturity level of your response capabilities ➢ Validate your investment in people, process & technology ➢ Identify weaknesses a real-world hacker could exploit.	➢ Access to subject matter experts ➢ Independent evaluation & recommendations ➢ Assistance with executive level reporting and presentation	➢ Align risks & technical controls to business operations ➢ Ensure regulatory obligations are being met ➢ Alignment to accepted industry best practice guidelines or standards
STANDARD INCLUSIONS & FEATURES				
Kick-off meeting to define rules of engagement	✔	✔	✔	✔
Onsite and remote access	✔	✔	✔	✔
Daily updates	✔	✔	✔	✔
Critical findings or IoC reported immediately	✔	✔	N/A	✔
Draft Report Review	✔	✔	N/A	✔
Executive Presentations	✔	✔	N/A	✔
Re-testing	✔	✔	✔	✔
Fixed Price Scopes	✔	✔	✔	✔
Pre-paid draw down	✔	N/A	✔	✔
Incident Response	Available, fees apply	Available, fees apply	Available, fees apply	N/A

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Certifications:

Certified SCADA Security Architect (IACRB CSSA) | Offensive Security Certified Expert (OSCE) | Offensive Security Certified Professional (OSCP) | Offensive Security Wireless professional (OSWP) | ICS-CERT: Operational Security (OPSEC) for Control Systems | Certified Information Systems Security Professional (CISSP) | SABSA Chartered Architect at Foundation Level | Certificate of Cloud Security Knowledge (CCSK) |