RIVERSAFE
INTEGRITY, INNOVATION, IMPACT

SMART METERING AND THE UTILITIES INDUSTRY

The Smart Meter Implementation Programme is the largest critical national infrastructure programme of work undertaken within the UK within the last 40 years. Smart meters will play an important part in Britain's transition to a low-carbon economy and help us meet some of the long-term challenges we face in ensuring an affordable, secure and sustainable energy supply.

At the core of this complex infrastructure is security.

HOW WE CAN HELP?

Here at RiverSafe we have both the technical and industry specific expertise and knowledge to work across all the areas in the smart Utilities supply chain, from Energy Suppliers and DCC user requirements to Product Manufacturers and CPA assurance. In fact, the RiverSafe team has expertise in the end-to-end design, implementation and assurance of GB SMIP.

Providing innovative solutions, services and support RiverSafe has quickly become a valued delivery partner to our customers. Our proposition is built on providing solutions from validation and assurance of technical solutions to regulatory compliance across security and information security architectures.

HERE IS AN OVERVIEW OF HOW RIVERSAFE CAN WORK WITH YOU.

THREAT MANAGEMENT

RiverSafe has been delivering Threat Management services to organisations across all sectors since we were founded. RiverSafe is now a trusted security advisor to a number of Fortune 100 organisations in the UK and overseas. Our capabilities include risk assessments, vulnerability management, security architecture development, incident management, security analytics and Secure Operations Centre (SOC) enablement. More recently RiverSafe has developed expertise in the growing Threat Intelligent Platform (TIP) technology space.

RiverSafe is currently working with one of the UK energy providers helping it to meet stringent security compliance requirements related to the User CIO audit in readiness for this provider to connect to the DCC. The Smart Metering Implementation Programme has specific security requirements for all parties involved in the rollout of smart meters across the UK. RiverSafe is using its experience and skill in risk and threat management to enable customers to accurately fulfil these obligations in an efficient manner.

BIG DATA/ANALYTICS

There is no shortage of data in today's world and this will become especially true in the utilities industry as the deployment of smart meters picks up pace. The vast volumes of data being generated contain information that can be of immense value to organisations. Information is buried in machine data that can help organisations protect their digital assets, diagnose and resolve technical operational

issues, inform businesses of their customer behaviour and provide business analytics. The challenge is harvesting that data and making it useful. This is where RiverSafe can help. We are specialists in big data analytics and have helped many organisations identify and harvest the machine data generated by their networks, applications and devices.

RiverSafe has used its experience and expertise in Splunk to help a major smart meter manufacturer to meet its ISO27001 compliance requirement.

CPA READINESS

We work closely with our customers to assure the viability of their overall product, system or solution throughout their development lifecycle. RiverSafe's expert resource becomes an invaluable part of our customers' delivery team ensuring regulatory compliance across all elements of their customers' proposition.

Working with a product manufacturer, the RiverSafe team was a critical part of this customer's team to deliver a fully assured product to market with compliance to CPA requirements for GB SMIP.

Our expertise enabled this customer to:

- Qualify all industry and specification requirements for the hardware and software of the product

- Carry out a full threat analysis, determining product vulnerabilities

- Scope, evaluate and deliver a full secure design and architecture review

- Scope and implement a secure code review highlighting vulnerabilities in the code with recommendation on functional separation and privacy protection

- Scope and implement full product penetration testing prior to external audit

SMART METERING ASSURANCE PROGRAM

RiverSafe's expertise in infrastructure assurance is second to none. We are proud of the reputation we have established in this area. Our specialist resource understands the regulatory demands faced by customers, and we work as part of our customer's team to ensure business readiness and compliance. We help our customers prepare fully for the CIO Audit.

Working with an Energy Supplier, RiverSafe have taken on an advisory and delivery role to ensure their customer is fully prepared for the Security Assessments DCC Users are required to undergo as part of Section G of the SEC.

Our expertise enabled the customer to;

- Scope and propose an agreeable programme of work to comply with the assessment requirements

- Scope, develop and implement a review of the current risk management approach

- Scope, develop and implement a review of the current security incident management approach

- Make recommendations following these reviews, detailing all remedial action to ensure full SEC (Section G) compliance.

WORKING WITH RIVERSAFE.

We fully appreciate the complex nature of the end to end security requirements across GB SMIP. We work with our customers to cut through the complexity with our innovative approach outlined above.

We work in a very open and transparent way and can carry out audits and assessments of the current position providing our customer with accurate data to support a viable way forward, making short term operational and long term strategic recommendations. We support the customer so they fully understand how these recommendations not only deliver on mandated requirements and obligations but also a robust dependable business process, system or product.

All work undertaken by RiverSafe is delivered using a 5-stage project management framework. We have found that working this way with our customers provides clarity on deliverables and timing of agreed milestones. This enables us to successfully deliver a co-ordinated approach for all upstream customer and industry requirements. Our 5-stage project management framework includes the following steps:

- Assess
- Design & Consultation
- Planning & Implementation
- Training & Interim Operations
- Support

CORE SKILLS AND CAPABILITIES

RiverSafe consultants have in-depth expertise, knowledge and experience and have been instrumental in the delivery of GB SMIP. Our areas of expertise include:

Security Architecture Expertise and Knowledge

- CPA Security Characteristics and Assurance Process
- SEC
- SMKI

Technical Expertise and Knowledge

- Security Requirements Analysis (HW and SW)
- Secure Design and Architecture Review
- Product Vulnerability and Threat Analysis
- Secure Code Review
- Product and System Penetration Testing

Information Security Expertise and Knowledge

- SEC (Section G) Security Requirements and Information Assurance
- ISO27001

RIVERSAFE METHODOLOGY

Assess

RiverSafe firmly believes that the ability to deliver a value-added service is intrinsically tied to understanding each customer's challenges and goals. This is why our assessment phase workshops and discussions extract vital information in an organised and timely manner.
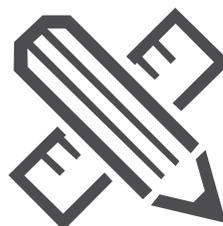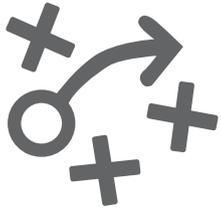

Design & Consultation

While security concepts are generic, we understand that each customer's application of those concepts will differ. Our Design and Consultation service helps to define the right architecture, integrations, automation, best practices, and processes for adopting stronger security.

Planning & Implementation

Our Project Managers work effectively with each customer to produce all the artefacts for the full project lifecycle: planning, implementation, and test plans. Our consultants will implement solutions with full cognisance of your ITIL processes and support those requirements during the implementation lifecycle.

Training & Interim Operations

Every delivery is rounded off with comprehensive documentation on the solutions and processes. RiverSafe conducts in-house training for key staff now responsible for operating the new environment. Where required RiverSafe will provide interim support where internal resources are stretched.

Support

With each new delivery, we understand that customers may have important questions as they settle in with the new estate. RiverSafe can provide this essential support through our Man Day Request (MDR) package.

"THANKS TO RIVERSAFE AND THEIR EXCELLENT TEAM OF CONSULTANTS, WNC COMMUNICATIONS HUB IS NOW CPA CERTIFIED AND A KEY COMMUNICATION COMPONENT OF THE UK SMART METERING IMPLEMENTATION PROGRAMME."

Abraham Balogun, Product Manager, WNC

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ABOUT RIVERSAFE

Based in Central London, RiverSafe is a leading security, data and threat intelligence consultancy. RiverSafe enjoys a strong partnership with Operational Intelligence provider, Splunk, and in 2017 it was awarded Professional Services EMEA Partner of the Year as a Splunk Certified Partner and Training Provider. Riversafe has been delivering secure solutions to its customers for many years partnering with Cisco and, more recently, ThreatQuotient. A rapidly growing and innovative business, RiverSafe has a strong track record of producing results and a team of highly accredited consultants with a reputation for delivering value. Key customers in the portfolio include: Vodafone, BP, RBS, OVO Energy, Computershare, EDMI, Addax Petroleum and WNC to name but a few. For more information please visit: www.riversafe.co.uk

GET IN TOUCH

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