IAR Systems, Secure Thingz and Renesas Electronics collaborate on solutions for reliable industrial IoT security

Uppsala, Sweden, Cambridge, UK and Tokyo, Japan—November 19, 2018—IAR Systems, the future-proof supplier of software tools and services for embedded development, Secure Thingz, a global domain expert in device security, embedded systems and lifecycle management, and Renesas Electronics Corporation (TSE: 6723), a premier supplier of advanced semiconductor solutions, today announced their collaboration to secure industrial Internet of Things (IoT) applications. As part of this collaboration, the companies will develop new solutions that combine IAR Systems' leading software development technology, Secure Thingz' expertise in advanced IoT security, and Renesas Electronics' secure semiconductor solutions. The new solutions resulting from this joint effort will enable users to develop robust and secure IoT systems with confidence.

Security is an inherent risk when it comes to connected devices. In the Industrial IoT, incoming threats and system vulnerabilities can result in life-threatening or high-risk situations. Therefore, embedded applications in this area require very strong features for security and reliability. To meet these requirements, Secure Thingz' Embedded Trust, which is a security development environment that leverages the IAR Embedded Workbench IDE from IAR Systems, will support Renesas microcontrollers (MCUs) when Embedded Trust is launched to the broader market in 2019. This new hardware and software solution will enable organizations to secure their systems, intellectual property (IP) and data.

"Despite legislation and new security standards mandating greater protection, the news stories of hacking, theft and counterfeiting still persist. It is now a question of when, and not if, you will be compromised," says Haydn Povey, CEO, Secure Thingz. "At Secure Thingz, we are collaborating with trusted industry friends to secure the connected world and inhibit these compromises. The collaboration between Secure Thingz, IAR Systems and Renesas will help organizations conquer the security challenges of today and tomorrow."

"To really deliver on the promise of the IoT, embedded applications will need to include security from start, both in hardware and software," says Stefan Skarin, CEO, IAR Systems. "IAR Systems' long-standing

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collaboration with Renesas has resulted in a number of successful activities and solutions. Now with connected IoT devices all around us and ongoing security threats, we as suppliers need to help our customers in the best way we can. IAR Systems and Secure Thingz are working together to make superior security available for all, and we are pleased to have Renesas with us on this journey."

"With increased connectivity come greater security risks, and the growing number of connected industrial devices requires a stronger focus on security from the early stages of chip design to protect both the silicon solution and the application from potential security issues," says Yoshikazu Yokota, Executive Vice President and General Manager of Industrial Solution Business Unit, Renesas Electronics Corporation. "For the past 30 years, our collaboration with IAR Systems has introduced reliable and high-performance solutions that have enabled the creation of innovative embedded designs, and with the addition of Secure Thingz moving forward, we are poised to support the next generation of Industrial IoT design with the security it needs."

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Editor's Note: IAR Systems, IAR Embedded Workbench, Embedded Trust, IAR Connect, C-SPY, C-RUN, C-STAT, IAR Visual State, IAR KickStart Kit, I-jet, I-jet Trace, I-scope, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other product names are trademarks of their respective owners.

About IAR Systems

IAR Systems supplies future-proof software tools and services for embedded development, enabling companies worldwide to create the products of today and the innovations of tomorrow. Since 1983, IAR Systems' solutions have ensured quality, reliability and efficiency in the development of over one million embedded applications. The company is headquartered in Uppsala, Sweden and has sales and support offices all over the world. Since 2018, Secure Thingz, a provider of advanced security solutions for embedded systems in the IoT, is part of IAR Systems. IAR Systems Group AB is listed on NASDAQ OMX Stockholm, Mid Cap. Learn more at www.iar.com.

About Secure Thingz

Secure Thingz, Inc. is the global domain expert in device security, embedded systems, and lifecycle management. Since 2018, the company is part of IAR Systems, the future-proof supplier and software tools for embedded development. Secure Thingz is focused on delivering advanced security solutions into the emerging industrial Internet of Things, critical infrastructure, automotive and other markets. The Secure Deploy™ architecture has been developed to solve the major security issues challenging the IoT. Secure Thingz solutions ensure a cost-efficient root of trust in low-cost microcontrollers to deliver a core set of critical services through the product lifecycle, alongside secure deployment, production and update infrastructure. Secure Thingz is a founding member and Executive Board member of the Internet of Things Security Foundation (www.iotsecurityfoundation.org), the leading global organization for IoT Security.

Learn more at www.securethingz.com.

About Renesas Electronics Corporation

Renesas Electronics Corporation (TSE: 6723) delivers trusted embedded design innovation with complete semiconductor solutions that enable billions of connected, intelligent devices to enhance the way people work and live—securely and safely. A global leader in microcontrollers, analog, power and SoC products and integrated platforms, Renesas provides the expertise, quality, and comprehensive solutions for a broad range of Automotive, Industrial, Home Electronics, Office Automation and Information Communication Technology applications to help shape a limitless future. Learn more at www.renesas.com.

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