IAR Systems collaborates with NSITEXE to accelerate functional safety development for RISC-V

Stockholm, Sweden—August 2, 2021—IAR Systems®, the future-proof supplier of software tools and services for embedded development, today announced its partnership with NSITEXE, a group company of DENSO Corporation. The partnership focuses on bringing high-performance solutions for functional safety to applications based on RISC-V.

Functional safety is a constant growing requirement for embedded systems, with automotive applications, industrial automation and medical devices as three of the major driving forces. IAR Systems launched the first edition of its functional safety products certified by TÜV SÜD in 2013. Functional safety for RISC-V is becoming more and more important and in 2020, IAR Systems presented certified development tools for RISC-V. IAR Systems and NSITEXE are now together further expanding the possibilities for companies choosing RISC-V.

NSITEXE was established in 2017 as a wholly-owned subsidiary of DENSO, one of the world's largest tier one automotive parts manufacturing companies, with significant development in key areas of advanced automotive technologies. The new CPU NS31A supports the automotive standards ISO 26262 as well as AUTOSAR, and can be developed using IAR Embedded Workbench for RISC-V.

"At NSITEXE, development efforts have been focused on three pillars—versatility, efficiency, and functional safety—with massive future trends in mind," commented Hideki Sugimoto, CTO, NSITEXE, Inc. "The NS31A implements these as a RISC-V 32-bits general-purpose CPU with high functional safety for users who want to control embedded systems easily, reasonably, and safely. IAR Embedded Workbench® for RISC-V will be the must-use software development tools in the market of RISC-V, and IAR Embedded Workbench for RISC-V and NS31A will be a leading solution for customers who develop safety-related applications."

"Our collaboration with NSITEXE brings our joint strong technology and services further into the RISC-V community with extended possibilities for functional safety development," said Stefan Skarin, CEO, IAR Systems. "IAR Systems' functional safety offering provides the widest standards coverage in the industry, and together with NSITEXE, we are now enabling companies to speed up the path of using

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RISC-V in applications where ensured safety is critical for success."

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Editor's Note: *IAR Systems, IAR Embedded Workbench, Embedded Trust, C-Trust, 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.*

IAR Systems Contacts

Josefin Skarin, Investor Relations, IAR Systems Group AB
Email: josefin.skarin@iar.com

Stefan Skarin, CEO and President, IAR Systems Group AB
Email: stefan.skarin@iar.com

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.