

SCSK Corporation

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SCSK Announces Adoption of AUTOSAR-Compliant QINeS-BSW RTOS by ADVICS Incorporation into ECU for Next-Generation Brake System

Tokyo, January 15, 2019—SCSK, a global IT service company, announced that ADVICS CO., LTD., has adopted the Company's QINeS-BSW RTOS (real-time operating system) for use in the electronic control unit (ECU) of the next-generation brake system.

1. Background and Reason for Adoption

As a supplier of world-leading brake systems, ADVICS delivers advanced and high-quality products to customers across the globe.

Brakes are being positioned as an increasingly more important factor amid the recent rise in the expectations for the safety and comfort of automobiles. Against this backdrop, ADVICS is developing a next-generation brake system designed to support the ever-evolving mobility society by delivering safety, security, convenience, and comfort.

SCSK needed to fulfill the following two conditions in order for QINeS-BSW RTOS to be adopted for use in the ECU of this next-generation brake system.

(1) QINeS-BSW RTOS had to clear the requirements for ASIL D, the highest safety level under ISO 26262, a standard for automotive functional safety, while maintaining the exceptional levels of responsiveness and reliability necessary for a high-performance, next-generation brake system to be proposed to completed automobile manufacturers.

(2) SCSK had to be an AUTOSAR vender capable of providing the comprehensive line of services necessary for achieving higher levels of quality and efficiency in product development.

With the made-in-Japan, AUTOSAR-compliant QINeS-BSW RTOS product, SCSK was able to fulfill these two requirements, leading to the decision for QINeS-BSW RTOS to be adopted for use in ADVICS' next-generation brake system.

2. Products Required for Next-Generation Automobiles

Next-generation automobiles require BSW that is compatible with high-performance control conditions, such as those of automated driving and advanced driver-assistance systems.

QINeS-BSW RTOS is capable of meeting even the rigorous requirements of brake systems.

The adoption of QINeS-BSW RTOS for use in the ECU of ADVICS' next-generation brake system means that this software will be incorporated into the countless automobiles that utilize this system worldwide.

3. Overview of QINeS

QINeS is the name of a collection of solutions centered around AUTOSAR-compliant BSW that supports the efficient development of high-quality automotive applications. Under the QINeS brand, SCSK offers a full spectrum of BSW, development and management process formulation, education, and engineering services. Moreover, we contribute to improved quality and productivity in automotive ECU development through the reuse and automation of applications.

With its more than 30 years of experience and success in automotive application development, SCSK is committed to supporting the automotive industry through the provision of QINeS BSW and related services.

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