Mitsubishi Electric Selects eSOL's Real-time OS and IDE for its MELSEC-Q Series C Language Controller

Ensures Real-Time Capability and Reliability in Factory Automation and Industrial Systems

Tokyo, Japan. May 9, 2014 – eSOL, a leading developer of real-time embedded software solutions, announced today that Mitsubishi Electric Corporation has adopted eSOL's eT-Kernel real-time OS-based software platform for use in Mitsubishi's Q24DHCCPU-LS C Language Controller. eSOL's eT-Kernel Platform ensures fast real-time performance and high reliability in factory automation (FA) systems using the Q24DHCCPU-LS controller. The eT-Kernel Platform enables developers to reuse software assets developed for µITRON, the most popular real-time OS in Japan and other Asian countries.

The Q24DHCCPU-LS C Language Controller—one of Mitsubishi's MELSEC-Q high-speed, high-performance programmable logic controllers (PLCs)—enables the use of widely available C language software assets. eSOL's eT-Kernel/Compact real-time OS can be installed on the MPU that is dedicated to the user's program. Each Q24DHCCPU-LS controller also features Gigabit Ethernet ports, USB connectors, an SD card slot, and a PCI Express® expansion connector for high-speed communication with higher-level systems or handling large amounts of data. The MELSEC-Q controllers are designed and manufactured to perform well in harsh FA and industrial environments.

eSOL's eT-Kernel Platform has been adopted in a wide variety of embedded systems

including FA, industrial, in-vehicle, and consumer devices. The eT-Kernel Platform features the eT-Kernel real-time OS, together with the eBinder Integrated Development Environment (IDE), middleware components—including file systems, network protocols, USB stacks and graphics tools—and professional services. The eT-Kernel offers three scalable profiles to choose from, depending on system size and purpose—among them a compact RTOS with real-time capabilities and a POSIX-compliant RTOS with high Linux compatibility. eSOL's eBinder IDE streamlines eT-Kernel-based application development while ensuring high quality.

"We are pleased to announce that Mitsubishi Electric selected our eT-Kernel Platform for their Q24DHCCPU-LS C Language Controller," said Hiroaki Kamikura, General Manager of the Embedded Products Division, eSOL. "The eT-Kernel Platform enables software developers using Q24DHCCPU-LS to efficiently develop high-quality software in a short period of time at low cost. Our eT-Kernel Platform has been adopted in aerospace systems, FA and industrial equipment, car navigation systems, and consumer products worldwide."

About eSOL

eSOL is a leading embedded software developer that enables customers to accelerate development of applications based on high-end single-core, multi-core, and many-core embedded processors. eSOL's advanced, scalable, multi-profiled real-time operating systems are tightly integrated with development tools and middleware components to create flexible development platforms used by OEMs and ODMs worldwide in competitive vertical markets such as automotive, consumer electronics, industrial and medical

equipment, and aerospace. Founded in 1975, eSOL is based in Tokyo, Japan.

For more information, please visit http://www.esol.com/