

eSOL and RTI Partner to Enable Rapid Development of Embedded Systems for Automotive and Industrial Automation Markets

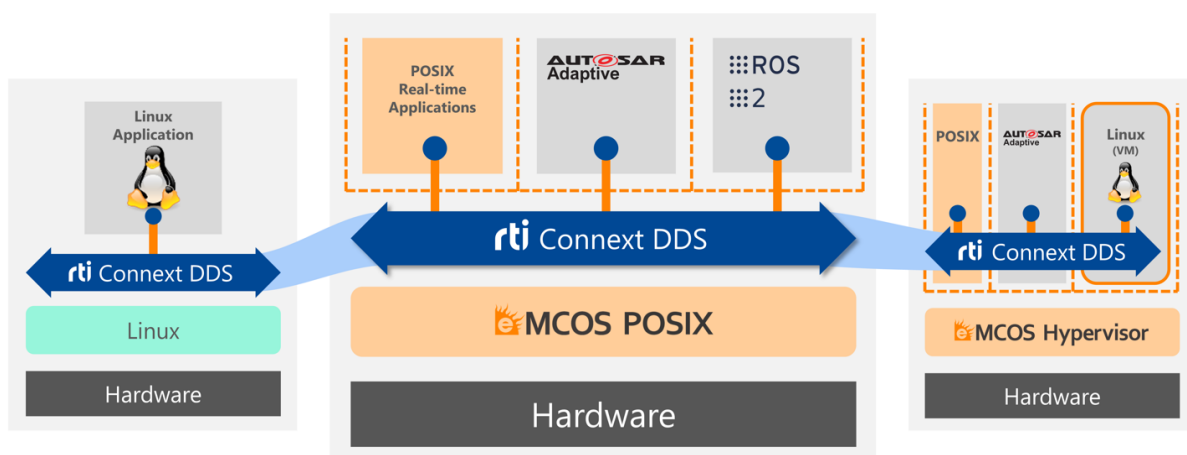
The High-Performance Combination of RTI Connex DDS and eSOL RTOS will Streamline System Development for Multicore Applications.

TOKYO, Japan, August 31, 2021 – [eSOL](#), a global developer of real-time embedded software solutions, and [Real-Time Innovations \(RTI\)](#), the largest software framework company for autonomous systems, today announced their partnership to support high-performance, secure embedded applications for automotive and industrial applications running on multicore systems.



RTI and eSOL are both pioneers in their respective fields– with RTI having developed the foundations of the Data Distribution Service™ (DDS) connectivity standard, and eSOL being the first commercial RTOS vendor with multicore support for the first chip with an Arm multicore CPU. Through the partnership, [RTI Connex[®] DDS](#) is now fully integrated with [eSOL eMCOS[®]](#), the ultra-scalable Real-Time Operating System (RTOS) platform. This allows eMCOS developers to take advantage of various benefits when developing distributed real-time systems while leveraging open standards and high-performance commercial off-the-shelf (COTS) technology.

Both RTI and eSOL enable real-time applications based on a modern architecture design in the embedded sector. The Connex DDS data-centric connectivity framework combined with the eMCOS multikernel architecture, provides the lowest multicore latencies for an RTOS on multicore hardware. Together, these technologies provide the highest levels of efficiency and security for developers of complex multicore systems, such as autonomous vehicles or industrial robots.



"To meet the huge challenges of embedded systems in terms of efficiency and security, we cannot rely on proprietary solutions," said **Bob N. Ueyama**, Executive Vice President of eSOL. "We need to develop and use open standards to jointly tackle future development problems."



"We are pleased to work with eSOL to enable next-generation applications for the industrial and automotive markets," said **Kelvin Hor**, Regional Manager, RTI. "Our mutual commitment to open standards and high-performance technology provides developers with proven, low-latency software without the need for custom code."

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About eSOL

Founded in 1975 and listed on the First Section of the Tokyo Stock Exchange (TSE: 4420), eSOL is a leading global company in the fields of embedded systems and edge computing that seeks to contribute to a safer and better-connected society. eSOL's high-performance and scalable software platform products and first-class professional services, centered around its unique and patented eMCOS multikernel real-time operating system (RTOS) technology, are used worldwide in demanding embedded application fields which conform to stringent quality, safety and security standards. This includes automotive systems as well as industrial equipment, satellites, medical and digital consumer electronics. In addition to the research and development of its leading-edge products, and joint research with major manufacturers and universities, eSOL is actively engaged in AUTOSAR, Autoware and multi/many-core technology standardization activities. Learn more at: <https://www.esol.com/>.

* Autoware is an open source software built on ROS/ROS 2 for autonomous driving.

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* Other company or product names are trademarks or registered trademarks of their respective companies.

About RTI

Real-Time Innovations (RTI) is the largest software framework company for autonomous systems. RTI Connex is the world's leading architecture for developing intelligent distributed systems. Uniquely, Connex shares data directly, connecting AI algorithms to real-time networks of devices to build autonomous systems.

RTI is the best in the world at ensuring our customers' success in deploying production systems. With over 1,700 designs, RTI software runs over 250 autonomous vehicle programs, controls the largest power plants in North America, coordinates combat management on U.S. Navy ships, drives a new generation of medical robotics, enables flying cars, and provides 24/7 intelligence for hospital and emergency medicine. RTI runs a smarter world.

RTI is the leading vendor of products compliant with the Object Management Group® (OMG®) Data Distribution Service™ (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California with regional offices in Colorado, Spain and Singapore. Learn more at:

<https://www.rti.com/en/>

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