

Press release

RTI at embedded world 2024: Hall 4, 421

RTI Connex connectivity framework for autonomous systems

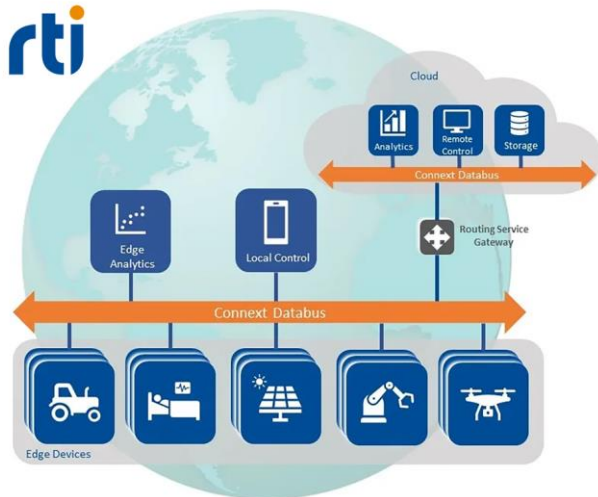
SUNNYVALE (USA)/London, January 25, 2024 – [Real-Time Innovations \(RTI\)](http://www.rti.com), the largest software framework company for autonomous systems, at embedded world 2024 on booth 421 in hall 4. The focus will be on the RTI Connex connectivity framework for autonomous systems in various markets. RTI Connex is based on the OMG[®] Data Distribution Service (DDSTM) standard and accelerates the development, deployment and management of highly autonomous systems from the sensor to the cloud. It is a secure connectivity framework that manages complex data distribution in real time across platforms and systems. RTI will be demonstrating the benefits of the framework in presentations on automotive and healthcare applications, and on DDS-TSN at its booth.

Connex Professional handles real-time data with the reliability, security and ultra-low latency essential for mission-critical real-world systems. It distributes and manages real-time data, allowing applications and devices to work together as one, integrated system.

Specifically for the automotive market, RTI presents its **Connex Drive 3.0** as the first flexible, future-proof and data-centric communication framework for software-defined vehicles (SDVs). It expedites time to market by providing the first platform-independent adherence to the highest functional safety standard, ISO26262 ASIL D, and bridges the platform gap between DDS, AUTOSAR Classic, AUTOSAR Adaptive and ROS 2.

At the **embedded world conference**, RTI will be giving a presentation on “IT/OT Data Convergence: A comparative Analysis of MQTT, OPC UA and DDS for Industry 4.0 Cases” on 9 April at 13:45 (Session: 2.5 Connectivity Solutions / Application Layer Protocols). Speaker will be Dr. Gerardo Pardo-Castellote, Chief Technology Officer at RTI.

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Architecture of the RTI Connexx connectivity framework for autonomous systems in various markets (Image: RTI)

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About RTI (www.rti.com):

Real-Time Innovations (RTI) is the largest software framework company for autonomous systems. RTI Connexx® is the world's leading architecture for developing intelligent distributed systems. Uniquely, Connexx 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 2,000 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.

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