

Press release

embedded world 2020: Real-Time Innovations (RTI) – Hall 4, 471

New: First Complete Automotive-Grade Connectivity Solution for Autonomous Vehicle Development; Software Framework for Industrial Automation



Hall 4, Booth 471

SUNNYVALE (USA)/London, December 5, 2019 – At embedded world 2020 (February 25-27, Nuremberg/Germany), Real-Time Innovations (RTI) present their connectivity solution for autonomous systems, which is proven across several markets including Industrial Automation, Robotics, Medical and Automotive. Here, RTI will focus on the new Automotive-grade connectivity solution, Connex Drive.

RTI's connectivity software, Connex DDS, is based on the Data Distribution Service™ (DDS) standard and accelerates the development, deployment and management of highly autonomous systems. The framework manages complex data distribution for real-time, scalable connectivity across platforms and systems. It delivers optimized data processing, easier system integration, enhanced performance, simplified data recording, security and platform support. For example, Connex DDS provides the ability to integrate OPC UA into DDS systems, and run DDS with the emerging IEEE TSN set of standards. RTI will present a standardized OPC UA/DDS Gateway at the booth.

Connex Drive: Autonomous Vehicle Development

Connex Drive offers automakers the software they need to operate in diverse real-time environments, interoperate with other systems within the vehicle, connect to off-vehicle systems, evolve systems over time, develop reliable and high-performance systems, and build in top security. It includes a software framework and a native Software Development Kit (SDK) for developing and integrating vehicle applications. It implements data-centric connectivity that offers a virtual distributed shared memory.

Connex Drive is the first platform that can integrate DDS, ROS2, AUTOSAR Classic, and AUTOSAR Adaptive, letting OEMs work with the standard or

standards that best meets their needs at different points in the innovation cycle.

Picture (source: Suwin / Shutterstock.com, licence-free Stock no. 1189806805):



RTI presents the new Automotive-grade connectivity solution, Connex Drive.

Picture (source: RTI):



Connex DDS Professional: Its data-centric connectivity framework distributes and manages real-time data.

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About RTI (www.rti.com):

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connex® databus is a software framework that shares information in real time, making applications work together as one, integrated system. It connects across field, fog and cloud. Its reliability, security, performance and scalability are proven in the most demanding industrial systems. Deployed systems include medical devices and imaging; wind, hydro and solar power; autonomous planes, trains and cars; traffic control; Oil and Gas; robotics, ships and defense. RTI is the largest vendor of products based on the Object Management Group (OMG) Data Distribution Service™ (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California.

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Download a free 30-day trial of the latest, fully-functional Connex DDS software today: <https://www.rti.com/downloads>.

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