Press release

RTI at embedded world 2023: Booth 4-443

RTI to Demonstrate Secure Connectivity Framework from Sensor to Cloud

SUNNYVALE (USA)/London, February 6, 2023 – Real-Time Innovations (RTI), the largest software framework company for autonomous systems, will be exhibiting in booth 4-443 at Embedded World 2023. The company will showcase the communications technology for embedded systems, and will demonstrate use cases for its leading data-centric Connext® connectivity software across Industrial Automation, Robotics, Medical and Automotive applications.

RTI Connext, based on the OMG® Data Distribution Service (DDS™) standard, 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.

In booth 4-443, RTI will showcase three data communication demonstrations:

1. **Real-time connectivity from sensor to cloud to enterprise.** This demo bridges from physical to digital to show how data is captured and transmitted in real time using the DDS publish/subscribe capabilities. A PixyCam 2 running on a RaspberryPi captures data attributes of data in motion that are shared via the RTI Connext databus from the sensor through the cloud to the host application.

2. **Data interoperability throughout a multi-vendor system.** This demo shows an integrated communications framework that begins with data collected from a cardiac pulse sensor, following it in real time throughout the hospital system while demonstrating out-of-the-box integrations with Cloud, WAN, and transport protocols.

3. **Enabling the Software-Defined Vehicle with a Data-centric Framework.** This demo of Connext Drive shows how to apply

interoperable communication capabilities from zonal architecture to high performance compute to teleoperations.

In addition to the hands-on demonstrations, RTI technical and industry experts will be speaking in the following sessions at the Conference:

- March 14th - 1:45 pm - 2:15 pm CET Time
  RTI Speaker: Mark Carrier, Principal Engineer Industrial Automation Architecture, RTI
  Session Title: *Reimaging Legacy Systems with Modern Technologies*
- March 16th - 4:00 pm - 4:30 pm CET Time
  RTI Speaker: Pedro Lopez, Director of Automotive, RTI
  Session Title: *Transitioning to the Software-Defined Vehicle: Reusable Architectures, Standardization and Supply Chain Cooperation*

Picture: Connext Architecture Framework (*sourde: RTI)*

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About RTI (www.rti.com)**:**
Real-Time Innovations (RTI) is the largest software framework company for autonomous systems. RTI Connext® is the world's leading architecture for developing intelligent distributed systems. Uniquely, Connext 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 1,800 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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