



# At a Glance

Corporate Name:	Real-Time Innovations, Inc. (RTI)
Headquarters:	Sunnyvale, California
Web:	<a href="http://www.rti.com">www.rti.com</a>
Ownership:	Privately held
Employees:	100
Founded:	1991
CEO:	Stan Schneider, Ph.D.

## About RTI

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connex<sup>®</sup> 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<sup>™</sup> (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California.

## RTI Connex DDS Product Line

**Connex DDS Professional** is the world's leading implementation of the DDS standard. It is available under a commercial license or a free research license.

**Connex DDS Secure** is the world's first standards-compliant, off-the-shelf messaging platform that delivers the security, performance and safety required for deployment of the Industrial IoT. It complies with the new DDS Security specification from the OMG.

**Connex DDS Micro** is a small-footprint DDS implementation intended for resource-constrained devices and applications with minimal memory, Flash, CPU power or no operating system.

**Connex DDS Cert** is a certifiable DDS implementation intended for safety-critical systems.

**DDS Toolkit** for LabVIEW is a high performance, highly scalable software communications infrastructure that allows distributed LabVIEW and native applications to smoothly interoperate.

## Milestones

1991	RTI founded by robotics researchers from Stanford University. RTI releases the first product, ScopeTools, a debugging and visualization tool for distributed real-time systems.
1995	RTI becomes a thriving consulting business with focus on Wind River Systems VxWorks. ScopeTools achieves worldwide adoption through Wind River sales force. RTI enters middleware market with NDDS (a former name of RTI Data Distribution Service implementation).
1998	RTI is named 16th fastest-growing company in Silicon Valley by SV Business Journal.
2000	Schneider Electric adopts NDDS; companies co-develop standard Real-Time Publish-Subscribe (RTPS) wire protocol.
2003	US Navy adopts DDS for its Open Architecture (OA) initiative, becomes first of more than 300 programs and projects to standardize on DDS. RTI chairs Object Management Group (OMG) standards effort for DDS.
2004	US Navy adopts DDS as key to Navy OA guidance. OMG recognizes DDS as a standard.
2005	Wind River Systems acquires ScopeTools product line; RTI focuses 100% on DDS middleware. The middleware business experiences 50% growth; related services grow 135%.
2007	Middleware business 5-year CAGR is 34%. RTI-contributed DDS wire specification adopted as standard by OMG. RTI elected to board seat at OMG. INC Magazine names RTI one of the fastest growing private companies in the US.
2009	RTI experiences aggressive expansion internationally; signs 13 distributors worldwide. RTI revenue and customer acquisition grow over 25%, despite global economic downturn. RTI wins a prestigious Frost & Sullivan® Technology Leadership Award. RTI launches Professional Edition, with comprehensive tools, middleware, integration technologies.
2010	RTI finishes 9th consecutive year of growth in middleware business. Asia Pacific becomes RTI's fastest-growing territory. RTI expands total active projects 50% to more than 300 teams. The number of RTI Data Distribution Service reaches 300,000 count. RTI expands beyond aerospace and defense; commercial business grows twice as fast as aerospace and defense. Citigroup deploys RTI DDS on its trading floors.
2011	RTI demonstrates OMG DDS interoperability with four vendors, including IBM. RTI gains 70% of the DDS market share.
2012	RTI pioneers Open Community Source program and royalty-free licensing for Connex DDS. RTI rebrands and expands; moves to larger HQ. RTI launches RTI Connex DDS product family. RTI adds Siemens Energy as a new customer.

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2013	<p>RTI publishes free Case + Code use case examples to accelerate DDS development efforts.</p> <p>Joy Global implements Connex DDS modular infrastructure for mining safety.</p> <p>NAV CANADA adopts Connex DDS in nationwide air traffic management technology platform.</p> <p>RTI DDS Toolkit for LabVIEW extends DDS capabilities to NI LabVIEW.</p> <p>Project design win rate increases by 100+%; over 70 new Infrastructure Communities created.</p>
2014	<p>RTI releases Connex DDS 5.1 with 60+ new features and support for 20+ new platforms.</p> <p>RTI is named the most influential Industrial IoT Company in an independent market study published by Forbes magazine.</p> <p>CIO Review recognizes RTI as one of the Top 50 Most Promising Internet of Things Companies in 2014.</p> <p>RTI joins 90+ industry-leading companies to form the Industrial Internet Consortium (IIC) with a goal to accelerate the development of connected industrial applications and to provide a common blueprint.</p> <p>RTI CEO, Stan Schneider, gets elected to the IIC steering committee.</p> <p>RTI launches Connex DDS Secure which provides the world's first standards-compliant, off-the-shelf messaging platform that delivers the security, performance and safety required for deployment of the Industrial IoT.</p> <p>GE Healthcare selects RTI Connex as Industrial Internet transport for medical systems to allow standardization on common platform across product lines.</p> <p>European Space Agency (ESA) builds advanced telerobotics development platform on RTI Connex DDS, performs the first ever robotics experiment with force-feedback in space.</p> <p>U.S. Army, General Dynamics, Advanced Information Systems and RTI announce FACE™, the development framework enabling the government to build interoperable, more cost-effective avionics systems.</p>
2015	<p>RTI provides communications software and engineering support for the Government of Canada's Land Command Support System (LCSS).</p> <p>RTI introduces a new service, Industrial Internet of Things (IoT) FastTrax to help companies capitalize on the economic growth and environmental impact of the exploding Industrial IoT.</p> <p>IIC Announces Smart Grid Testbed as a result of collaboration of RTI, National Instruments and Cisco working with CPS Energy, Southern California Edison, Duke Energy and SGIP to optimize power generation and integration of renewable energy sources to electrical grids.</p>