

Corporate Fact Sheet

AT A GLANCE

CORPORATE NAME	Real-Time Innovations, Inc. (RTI)
HEADQUARTERS	Sunnyvale, California
WEB	www.rti.com
OWNERSHIP	Privately held
EMPLOYEES	200
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[®] Databus is a software framework that shares information in real time, making applications work together as one, integrated system. It connects devices and analytics across the edge, 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 lives at the intersection of functional artificial intelligence and pervasive networkingSM.

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, Calif.

RTI CONNEXT PRODUCT SUITE

CONNEXT DDS PROFESSIONAL is the only connectivity software that was designed for the demanding requirements of the Industrial IoT. Built on the leading connectivity databus, Connex DDS already delivers proven interoperability for autonomous vehicles, robotics, advanced medical systems, mission-critical military systems, wind turbines, air traffic control and power distribution.

CONNEXT DDS SECURE is the world's first standards-compliant, off-the-shelf connectivity infrastructure that delivers robust security together with the performance and safety required by the Industrial IoT. It complies with the new DDS Security specification from the OMG.

CONNEXT DDS MICRO is a small-footprint DDS implementation intended for resource-constrained devices with minimal memory, CPU performance and power. It even supports devices with no operating system.

CONNEXT DDS CERT is a certifiable DDS implementation intended for safety-critical systems with rigid functional safety requirements, such as self-driving cars and avionics.

ENGINEERING

RTI was founded in 1991 by robotics researchers from Stanford University. Engineering and Research are part of the company's DNA.

RTI employs over 80 development, research, services and field engineers worldwide, including a concentrated development team located in our Spain office. The engineering team is the world's best in distributed real-time systems. Most RTI engineers hold an MS or a PhD degree from top universities, including Stanford, MIT, UC Berkeley, Rensselaer, CalTech, Vanderbilt and many others. Many of them have extensive industrial experience ranging from defense to telecommunications to robotics.

In addition to product engineering, RTI maintains an active research program, currently with eleven active government-funded projects totaling approximately \$6 million. We collaborate with national labs, large and small companies, and academia. Our research team includes researchers and developers with expertise in cybersecurity, networking, data distribution, hardware/firmware, modeling & simulation, robotics, machine learning, rapid prototyping, and system development. We publish papers every year and support speaking events around the world.

INTERNATIONAL SALES, SERVICE AND SUPPORT

RTI offers a global sales and services footprint, with sales offices or distributors in 15 countries across the globe. We support hundreds of active customer sites with a global support team that can optionally offer 24/7 service. The RTI support team is part of our development organization with deep technology expertise. The team is instrumental in accelerating customers' projects from development into production as well as integrating real-world experience into the development of RTI products.

The RTI professional services organization is global, technically proven and experienced. Our team has over 350 years of combined distributed system design experience, and has developed and deployed systems in both large defense organizations and commercial companies. Collectively, our team has over 130 years of hands-on DDS experience, and has executed hundreds of successful projects including: architecture studies, QuickStart and advanced trainings, building product enhancements and providing onsite and remote project assistance to our growing customer base. RTI services has successfully completed projects in dozens of countries worldwide.

MILESTONES

- 1991 • RTI is 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 a 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 Connex 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 on DDS middleware. The middleware business experiences 50% growth.
Related services grow 135%.
- 2007 • Middleware business 5-year CAGR is 34%.
OMG adopts RTI-contributed DDS wire specification as a standard.
RTI is elected to a 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 grows revenue and customer acquisition to 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 ninth consecutive year of growth in middleware business.
RTI expands total active projects 50% to more than 300 teams.
The number of RTI Connexx deployments reaches 300,000.
RTI's commercial business grows rapidly, doubling the growth in 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.
RTI is recognized as a "Top Workplace in Silicon Valley" by Bay Area News Group.
- 2012 • RTI establishes the Spain Development Center (SDC) in Granada, Spain.
RTI pioneers royalty-free licensing for Connexx DDS.
RTI rebrands and expands; moves to larger HQ.
RTI launches RTI Connexx DDS product suite.
RTI adds Siemens Energy as a new customer.
- 2013 • RTI publishes free Case + Code use case examples to accelerate DDS development efforts.
Joy Global implements Connexx DDS modular infrastructure for mining safety.
NAV CANADA adopts Connexx DDS in nationwide air traffic management technology platform.
RTI DDS Toolkit for LabVIEW extends DDS capabilities to NI LabVIEW.
Project design win rate increases by 100+%.
RTI is named a "Cool Vendor" by leading analyst firm Gartner.
- 2014 • RTI releases Connexx DDS 5.1 with 60+ new features and support for 20+ new platforms.
RTI is named the "Most Influential Industrial IoT Company" in an independent market study published by *Forbes* magazine.
CIO Review recognizes RTI as one of the "Top 50 Most Promising IoT Companies" in 2014.
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.
RTI CEO, Stan Schneider, is elected to the IIC steering committee.
RTI launches Connexx DDS Secure, the world's first standards-compliant, off-the-shelf connectivity software that delivers the security, performance and safety required for deployment of the Industrial IoT.
GE Healthcare selects RTI Connexx DDS as the Industrial Internet transport for medical systems, standardizing on a common databus across product lines.

- 2014
- European Space Agency (ESA) builds advanced telerobotics development platform on RTI Connex DDS, performs the first-ever robotics experiment with force-feedback in space.
 - U.S. Army, General Dynamics Advanced Information Systems and RTI announce FACE™ framework to enable the government to build interoperable, more cost-effective avionics systems.
 - RTI holds its first Connex DDS users group, Connex Conference 2014, in London.
- 2015
- RTI is named a “Vendor to Watch” by leading analyst firm, EMA.
 - RTI provides communications software and engineering support for the Government of Canada’s Land Command Support System (LCSS).
 - 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.
 - RTI CEO, Stan Schneider, is named a “Top Embedded Innovator” by *Embedded Computing Design Magazine*.
 - RTI meets the most stringent safety requirement, delivers complete certification data package for DO-178C avionics safety standard.
- 2016
- RTI achieves record growth in revenue YoY.
 - RTI is named “IoT Emerging Company of the Year for the Enterprise Market” by Compass Intelligence.
 - RTI joins OpenFog Consortium as an early member to drive industry leadership in fog computing architecture.
 - IIC announces new Connected Care Testbed as a result of collaboration between RTI, Infosys, PTC and Massachusetts General Hospital to develop an open IIoT data management and analytics platform for clinical and remote medical devices.
 - RTI wins Department of Energy (DOE) funding to research smart grid security leveraging the DDS standard.
 - The IIC releases the Industrial Internet Security Framework (IISF) co-authored by RTI.
 - RTI is named “Must Follow IoT Company” by Postscapes.
- 2017
- RTI achieves record growth in new hires (32%) and in new customer engagements (173%).
 - RTI releases Connex DDS 5.3 the first connectivity software for scalable IIoT systems-of-systems databus architectures.
 - RTI announces RTI Labs, a free program that provides early access to new technology.
 - The IIC releases the Industrial Internet Connectivity Framework (IICF) co-authored by RTI.
 - RTI CEO, Stan Schneider, is named a “Top 10 Industrial IoT Influencer” by IoT One.
 - RTI is named a “Top 25 Industrial IoT Company” by IoT One.
 - GE Transportation implements RTI Connex DDS as the connectivity framework in its connected rail enterprise, increasing efficiency by 30%.
 - RTI Connex DDS is named a “SIIA Business Technology CODiE Award Finalist for Best IoT Platform.”
 - RTI expands to two Connex Conference events in Munich and Silicon Valley.
 - RTI is recognized as a “Top Workplace in Silicon Valley” by Bay Area News Group.
 - RTI announces its Advisory Board and inaugural member, Scott McNealy.
 - RTI joins AUTOSAR as a development partner.
- 2018
- RTI CEO, Stan Schneider, is elected as Vice Chair of the IIC Steering Committee.
 - TechnipFMC selects RTI Connex DDS as the connectivity framework for its semi-autonomous underwater ROVs for Oil & Gas.
 - RTI expands to three Connex Conference events in Munich, Boston and Silicon Valley.
 - NextDroid selects RTI Connect DDS for its advanced autonomous systems.
 - AUTOSAR releases the latest Adaptive Platform adopting the DDS standard.
 - RTI wins SIIA CODiE Award for “Best IoT Solution 2018.”
 - RTI grows its advisory board to four members including: Scott McNealy (Business), KT Neumann (Automotive), Raiford Smith (Energy) and Thomas Baptiste (MS&T).
 - RTI Named a 2018 Top Place to Work in the Bay Area for the second consecutive year.
 - RTI’s connectivity technology is selected as part of a \$1.2 Billion AUD upgrade to Australia’s Jindalee Operational Radar Network (JORN).
 - RTI announces the first connectivity software for highly Autonomous Vehicles at IoTSWC 2018 in Barcelona.

- 2018 • AUTOSAR releases the latest version of the Adaptive Platform featuring a full network binding of the DDS Standard.
- Plasan selects RTI's connectivity technology for first-of-its-kind smart armored vehicles, enabling a successful integration of NATO NGVA compliance.
- 2019 • RTI reduces cost and risk of avionics integration with the first FACE Certified Transport Services Segment (TSS) Product.
- RTI announces the first medical-grade connectivity framework at HIMSS 2019.
- RTI earns Frost & Sullivan's prestigious 2019 Global Product Leadership Award and named the Global IoT Connectivity Leader for Healthcare.
- RTI is elected to leadership roles in the new DDS Foundation launched by the Object Management Group (OMG).
- RTI ships Connex 6 to customers, its largest product release to date.

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