

RTI in Process Automation

RTI – Addressing the Challenges of Building Critical Systems. RTI is the world leader in delivering fast, scalable messaging and integration software. Based on a decentralized software data bus, RTI allows real-time applications to communicate with each other and with enterprise and legacy applications. RTI's solutions feature a unique combination of high performance and broad standards support. RTI provides integrators of demanding applications with an alternative to custom middleware that is off-the-shelf and employs an open architecture. You'll find RTI in all kinds of real-world applications. Some sample applications include defense, industrial control, simulation, unmanned vehicles, transportation, medical and finance.



Integrating Operational Systems – Bridging to the Enterprise

Distributed systems are experiencing an explosion in the number of connected sensors, devices and subsystems. Program managers, system architects and engineers must investigate and adopt better technologies, architectures and integration techniques to meet growing system integration complexity and performance requirements.

RTI is a world leader in distributed system communication and integration solutions. RTI allows you to implement a next-generation Service-Oriented Architecture (SOA), easing the integration of large heterogeneous systems while at the same time maintaining system scalability, throughput and latency.

RTI has addressed the needs of enterprise-wide integration — from the network edge to the data center — for countless customers developing industrial control applications in factories, energy systems, military & aerospace, transportation, scientific research, and more. We solve two critical needs: rapid systems integration and broad real-time data distribution.

Rapid Integration

RTI addresses the daunting challenge of integrating disparate systems and components — whether new, legacy or 3rd party. RTI utilizes a distributed integration bus architecture to reduce complexity and integration time.

Real-Time Data Distribution

Ultimately, RTI is about getting data where you need it, when you need it. Large-scale systems are experiencing an ever-expanding volume of devices and data, some with extreme bandwidth and timing constraints. RTI consistently exceeds scalability, reliability and performance requirements, even in the most challenging applications.

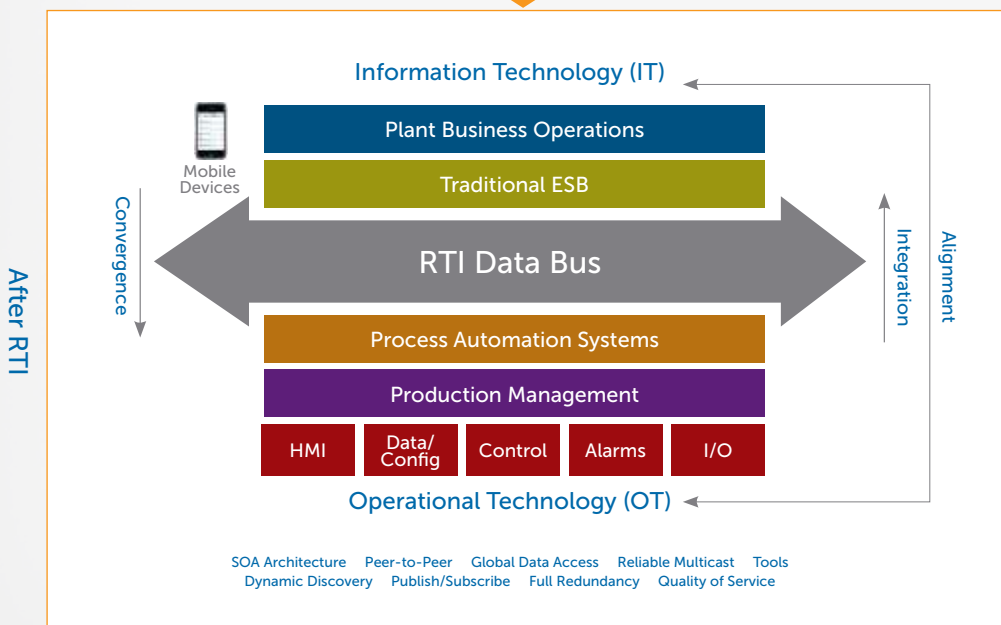
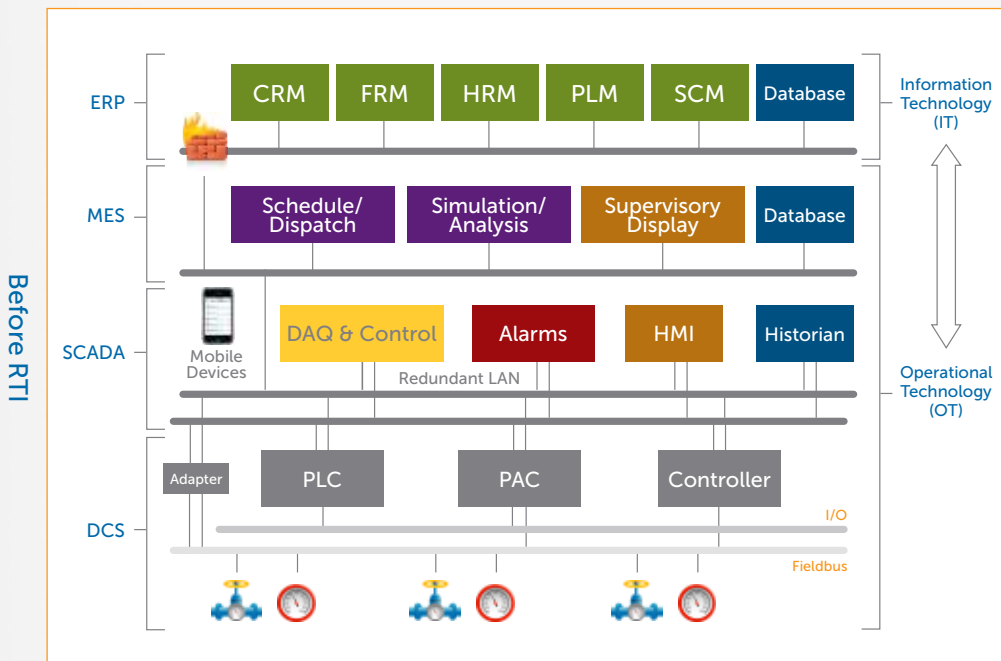
Process Automation Systems – Enterprise-Wide Integration

RTI software enables implementation of an enterprise-wide Service Oriented Architecture (SOA). It is used in process control applications for the rapid integration of operational technology (OT) systems with each other and with traditional IT systems.

RTI's messaging and integration software satisfies the disparate requirements of IT and OT systems used to run the plant or equivalent — providing ubiquitous access to real-time information across an enterprise.

Ultimately, end-to-end process integration provides organizational agility; improves operational responsiveness, efficiency and availability; and enables new value-added and differentiating services.

Operational Technology – systems that perform manufacturing, monitoring, and control operations



Apply RTI's integration platform to all types of automation, control and manufacturing systems

Process Automation

- Cement & Glass
- Chemicals
- Metals & Mining
- Oil & Gas
- Petrochemical
- Pharmaceutical
- Power & Utilities
- Pulp & Paper
- Rubber & Plastics
- Textiles
- Water, Waste Water
- Wind Power

Automation/ Manufacturing

- Asset Management
- Building & Infrastructure
- Environmental
- Traffic Management
- Automotive
- Electronics
- Life Sciences
- Semiconductor

Closed-Loop Control

- Adaptive Control
- Autopilot
- Avionics Systems
- Engine Timing
- Motion & Vision
- Robotics



Your systems. Working as one.

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