NI RIO Quote Sheet

What National Instruments Customers and Partners Say About the NI Reconfigurable I/O (RIO) Platform

Xilinx

"National Instruments continues to drive engineering innovation by offering new high-performance solutions to domain experts using the intuitive LabVIEW graphical system design tools. We're delighted with the results of our longtime collaboration in delivering an easy-to-use rapid innovation platform to NI customers over many generations of the NI RIO product platform. Going forward, we're excited to see what engineering challenges customers can solve with next-generation NI products built with Xilinx's new flagship 28nm FPGA family and Zynq extensible processing platform."

– *Vin Ratford, Xilinx Sr. Vice-President of Global Marketing and Business Development*

Intel

"By combining the power of the second-generation Intel Core i7 processor and the productivity of the National Instruments integrated CompactRIO hardware and LabVIEW software, we are giving engineers a high-performance solution to quickly solve their advanced control and monitoring problems."

– *Michelle Tinsley, General Manager of Intel's Embedded Computing Division*

National Renewable Energy Laboratory (NREL)

"NREL is working directly with NI to develop advanced power electronics inverter control hardware based on reconfigurable FPGA technology for renewable, electric vehicle and smart grid systems. With the new high-bandwidth connector on the NI Single-Board RIO devices and LabVIEW graphical programming tools, we now can take our simulations and advanced algorithms from prototype to high-volume, deployable targets more quickly than ever."

– *Dr. Bill Kramer, Research and Development Manager for Energy Systems Integration Technologies at The National Renewable Energy Laboratory (NREL)*

Serimax

"With its superior I/O and motion control capabilities combined with the flexibility and reliability of the FPGA, the NI CompactRIO system enabled us to create a high-performance embedded monitoring and control system which matches our rigorous requirements."

– *Pascal Wattellier, Automation Products Coordinator at Serimax*

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Xtreme Power

"The NI graphical system design approach helped us focus on our application instead of getting bogged down in low-level syntax and implementation details. We used the highly productive tools and the ability to rapidly prototype and iterate on our design to deploy sophisticated, reliable systems with a software investment of only two man-years. We estimate it would have taken a team of ANSI C programmers 10 years or more to do what we did."

– *Richard Jennings, Software Engineering Manager at Xtreme Power*

Wind Lift

"The seamless interface between the CompactRIO and the NI LabVIEW development environment offers a turnkey hardware/software solution with very little learning required."

– *Matt Bennett, Windlift Vice President of Research and Development*

Cyth Systems

"With National Instruments Reconfigurable I/O (RIO) hardware platform and NI LabVIEW, we can achieve our customers' key milestones for design, functional prototype, and deployment in record time. We can now embed the new NI Single-Board RIO devices with RIO Mezzanine Card connectors into applications that require smaller size, lower cost, and tighter integration with application-specific IO."

– *Joe Spinozzi, Chief Operating Officer, Cyth Systems*

Kitasato University, Graduate School of Medical Science

"We leveraged the flexibility and scalability of the PXI platform and NI FlexRIO to develop the world's first real-time 3D OCT imaging system. We used LabVIEW to program, integrate, and control the different parts of the system, combining high-channel-count acquisition with FPGA and GPU processing for real-time computation, rendering, and display."

– *Dr. Kohji Ohbayashi, Kitasato University, Graduate School of Medical Science*

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