Company Overview

National Instruments transforms the way engineers and scientists around the world design, prototype, and deploy systems for test, control, and embedded design applications. Using NI open graphical programming software and modular hardware, customers at more than 25,000 companies annually simplify development, increase productivity, and dramatically reduce time to market. From testing next-generation gaming systems to creating breakthrough medical devices, NI customers continuously develop innovative technologies that impact millions of people.

The Company was founded in 1995, and has global operations with offices in 40 countries. They have annual revenues of approximately three-quarters of a billion dollars annually serving a highly diverse customer base where no industry makes up more than 10% of their revenue.

A Unified Platform from Design to Deployment

Designing and testing increasingly complex products to meet tight time-to-market demands requires a highly efficient, tightly integrated platform. The NI graphical system design platform for test, control, and embedded design spans the entire product design cycle, dramatically increasing efficiency and improving the bottom line. NI complements its industry-leading software and hardware with an extensive collection of services and support solutions from the planning and development phases through deployment and ongoing maintenance.

National Instruments has recently created a grant program to give small, entrepreneurial medical device companies easier access to its advanced embedded design technology. The following summary highlights the work of one of the five first-round recipients; TecMed, Inc.

TecMed Inc.

TecMed Inc. designed the first instrument to make automated glucose measurements during open-heart procedures – a noninvasive imaging option for diabetic monitoring – which results in diminished infection, faster healing, and increased mental acuity.

"*The use of National Instruments PCMCIA cards and PCI boards, coupled with LabVIEW software, has provided faster development and ease of data collection, manipulation, and display. With the CompactRIO family of hardware, we expect to enhance our work, bringing a needed level of automation to our designs.*"

– Alan J. Leszinske, Founder