

# NEWS RELEASE

**ADI** APPLIED DYNAMICS  
INTERNATIONAL

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**Applied Dynamics International and I-Logix, Inc. Launch New Test Capabilities for Embedded Systems**

Ann Arbor, MI ... Applied Dynamics International (ADI, Ann Arbor, MI) and I-Logix, Inc. (Andover, MA) announced today that they are partnering to provide a comprehensive solution for development of embedded control systems. ADI, the industry leader in real-time, hardware-in-the-loop simulation and test, and I-Logix, the leading provider of solutions for systems and software design focused on real-time embedded applications, are providing a solution that allow a customer to rigorously test and validate their designs based on the executable specification models developed early on in the process. "We see powerful synergy in the collaboration that we demonstrated at the SAE Show in March 2004, where I-Logix Statemate® automatically generated test vectors from the specification model, which were in turn used to test the embedded system." stated John McIntosh, President and CEO, Applied Dynamics International.

The joint partnership provides the engineer the ability to design and test their embedded system from requirements and design through validation phases with a seamless environment. Tests generated for design verification can now extend to the testing of the actual embedded target system. Automating this process extension improves efficiency and provides a higher-level of traceability to the design and requirements.

One of the popular features of Statemate is that it enables an exhaustive set of test vectors to be automatically generated from the specification model to test the embedded target system. By automatically generating these test vectors using Statemate Automatic Test Generator® (ATG), significant time can be saved versus manual generation, and by introducing this capability at the specification phase of a project, errors can be spotted early, reducing the risk for late cycle design iterations and reducing the potential for costly product recalls. Statemate test vectors can now exercise the embedded target system using ADI's ADvantage test vector capability combined with the rtX Simulator. Requirements can be verified by comparing the expected results of the design with the actual results on the embedded target system. The technology allows the same testing methodology used in the design phase on the virtual design to extend to the verification and validation phases of the embedded system.

ADI's rtX with ADvantage software provides the ideal test environment for exercising the embedded system. The device can be stimulated by the test vectors in a very streamlined process. ADI's real-time, deterministic scheduler is used to stimulate the device with precision timing in order to give the user repeatable, deterministic results. The timing and latency of the

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embedded system to respond to stimulus, give the engineer better insight into the design by gaining visibility into the system.

ADI's rtX Simulator can also be used for real-time execution of an I-Logix's StateMate design, which can easily be connected to hardware components through ADI's ADvantage tools. The virtual model of the device and actual device can be co-simulated during the verification phase to study any differences in behavior.

These combined solutions save engineers valuable time testing the specification, creating tests for the embedded system and testing integration of the final product, ultimately leading to lower costs and higher quality.

**About I-Logix**

Founded in 1987, I-Logix is a leading provider of Model-Driven Development (MDD) solutions for systems design through software development focused on real-time embedded applications. These solutions allow engineers to graphically model the behavior and functionality of their embedded systems, analyze and validate the system, and automatically generate production quality code in a variety of languages. I-Logix also offers iNotion, a product lifecycle management portal designed for software; coupling product development, quality assurance, marketing and the customer by providing instant, controllable, web-based access to development artifacts and product management services 24/7 worldwide. Visit I-Logix at [www.ilogix.com](http://www.ilogix.com)

**About Applied Dynamics International**

A pioneer in the development, manufacture, and use of simulation and control system technology for more than 45 years, Applied Dynamics International design engineering products are used in leading real-time simulation laboratories around the world. Applied Dynamics International is a supplier of advanced embedded hardware and software development tools for the aerospace, automotive, defense, electronics and other related industries. Headquartered in Ann Arbor, MI, Applied Dynamics International also has offices in the United Kingdom, installations in 23 countries and representatives throughout the world. Visit ADI at [www.adi.com](http://www.adi.com)

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