

**NEWS RELEASE****DATE:** August 10, 2001**FOR IMMEDIATE RELEASE****APPLIED DYNAMICS SELECTED BY ROLLS-ROYCE FOR NEXT GENERATION  
FADEC TEST SYSTEMS**

Ann Arbor, Michigan - Applied Dynamics International (ADI) today announced that Rolls-Royce plc of Derby, UK, has placed a \$3.5 million order for ADI's product suite of real-time emulators to develop and test the control systems for their next generation of Full Authority Digital Engine Controllers (FADECs).

ADI's Real-Time Test Emulator Systems are based on commercial-off-the-shelf computer technology that has been adapted to meet the challenging Rolls-Royce test environment. With 44 years industry experience, ADI has been repeatedly recognized for its expertise and customer responsiveness and has very recently supplied large emulator systems with advanced capability to Boeing Satellite Systems, United Defense LP and a major US automotive OEM.

FADECs are regarded as safety critical systems by the Federal Aviation Authority and other world aviation organizations. The safety critical designation requires extensive testing, validation and certification prior to achieving flight status. To achieve the prescribed level of testing and validation requirements, new test systems using the latest technology are required for qualification and production.

John McIntosh, ADI's President and CEO, said, "Defining the optimum technological solution has been a collaborative effort between Rolls-Royce and ADI. This contract, in development for over a year, presented numerous technical challenges. As a result, we are making a small increase in the existing technical staff at our Ann Arbor Headquarters." He added, "At least once every five seconds a plane takes off somewhere in the world that has benefited from the use of ADI's tools during its design and test phases. We are proud and honored to be selected by Rolls-Royce to play a vital role in this industry."

### **Notes to Editors:**

- Applied Dynamics International is a supplier of advanced embedded hardware and software development tools for the aviation, aerospace, automotive, defense, electronics and other related industries. In addition to its Michigan headquarters, ADI has an international office in the United Kingdom and installations in 23 countries and representatives throughout the world.
- Rolls-Royce plc is a global company providing power for land, sea and air. Its core gas turbine technology has created one of the broadest product ranges of aero engines in the world. Customers include more than 500 airlines, 2,400 corporate and utility operators and 160 armed forces, using both fixed and rotary wing aircraft. With over 55,000 engines currently in service in over 150 countries, testing the controllers of existing and future designs requires exacting accuracy over a broad range of parameters, while the capability to simulate faults under real-time conditions, is crucial to Rolls-Royce's test philosophy.

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