

For Immediate Release:

Applied Dynamics Announces Collaboration with the Instituto Tecnológico de Aeronáutica (ITA)

January 7, 2020. Ann Arbor, Michigan.

Applied Dynamics (ADI) is happy to announce a signed memorandum of understanding with the Instituto Tecnológico de Aeronáutica (ITA) in Brazil to collaborate on the development and test of Unmanned Aircraft Systems (UAS) and advanced aeroelastic structures technology, using industrial real-time Linux servers and the ADEPT Framework.

About the Instituto Tecnológico de Aeronáutica

The Instituto Tecnológico de Aeronáutica (ITA) is an institution of higher education and advanced research with emphasis in aerospace science and technology maintained by the Brazilian Air Force. It is located in São José dos Campos, Brazil. ITA is rated as one of the top and most prestigious engineering schools in Brazil.

About Industrial Real-Time Linux Servers

An Industrial real-time Linux server is a computer server, low-cost or very high-end, with a real-time Linux operating system installed and providing a set of services for time-deterministic, frequency-based, computing and data handling. This real-time Linux server is used to connect industrial capability, e.g. test facility, manufacturing line, electrical power system, into a Linux computing environment for the purpose of adding capability, e.g. predictive quality, anomaly detection, operational optimization, live data analysis, supervisory control, predictive maintenance.

About the ADEPT Framework

The ADEPT Framework is an industrial data and control software platform built around the concept of a “data framework” that links industrial real-time Linux servers as a distributed resource and provides desktop client control of the time-deterministic computing and data handling capability. The ADEPT Framework is used in the largest, most demanding industrial data and control applications across the global aerospace and defense industry, but also scales down to work with low-cost computing and open source real-time Linux. The open architecture framework allows users to leverage best-in-class COTS and open-source technologies in a common, project-based environment.

The ADEPT Framework software dramatically reduces the cost and time to deploy and operate industrial real-time Linux servers, with comprehensive capability and trusted technology.

About Applied Dynamics

[Applied Dynamics](#) helps companies make better use of data and control assets through all stages of product development, verification testing, demonstration, training, and maintenance. Applied Dynamics flagship product, the ADEPT Framework, is a real-time, industrial Internet of Things (IoT) model-based



systems engineering software platform providing an agile, feature-rich environment for supporting the product development lifecycle through development, integration, verification, validation and certification. ADEPT embraces an open architecture and allows its users to leverage best-in-class COTS components. The ADEPT user base includes 14 of the global top 35 A&D companies and extends into marine, power systems, oil & gas, and the automotive industry.

To learn more about how ADI can help your team, visit www.adi.com or send an email to adinfo@adi.com.

Contact:

David Warner

Marketing and Applications Engineering

Applied Dynamics International

3800 Stone School Rd

Ann Arbor, MI 48108, USA

Email: dwarner@adi.com

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