

NEWS RELEASE

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Applied Dynamics International Announces Release of ADvantageDB

Ann Arbor, MI ... Applied Dynamics International (ADI, Ann Arbor, MI) is proud to announce the release of ADvantageDB.

ADvantageDB is a tool used to manage large network definitions of complex systems such as aircraft, satellites, and shipboard systems. As these systems grow increasingly dependent on data networks to share data between subsystems, managing the network definitions throughout the development and test processes has become a critical and time consuming task. Utilized jointly by system integrators and subsystem suppliers as network definitions are developed and matured, ADvantageDB provides traceability of the system network definition crucial to any certification process.

Multi-protocol support, including ARINC, CAN, UDP and serial, allows the entire system network to be captured and traced in a single application. ADvantageDB provides users the ability to build a reference database – a library of bus and interface definitions that can be used multiple times throughout a project and shared between test systems. Modifications to the reference database are automatically propagated to the framework database. The framework database is linked to hardware communicating with the system under test. When used in conjunction with ADI's development and runtime tools, ADvantageDE and ADvantageVI, end users are able to efficiently reconfigure and test changes to the system network definition.

ADvantageDB databases implement an open XML save file format. Python integration provides users a powerful scripting capability to analyze the database and predict performance. Included Python libraries make automating the creation and modification of the network database simple and intuitive. ADvantageDB is available for Windows and Linux.

Developed in cooperation with major aerospace firms, ADvantageDB has already proven to be a valuable asset in award-winning aircraft programs. To learn more about ADvantageDB visit adi.com or contact adinfo@adi.com.

About Applied Dynamics, Applied Dynamics helps companies make better use of model based systems engineering (MBSE) assets and methodologies through all stages of product development, verification testing, demonstration, training, and maintenance. Applied Dynamics helps design, manufacture, integrate and commission many of the world's most advanced test facilities used to develop complex systems. Applied Dynamics flagship product, the ADvantage Framework, is an MBSE software platform providing an agile, feature-rich environment for supporting product lifecycle through development, integration, verification, certification, and maintenance. ADvantage embraces an open architecture and allows its users to leverage best-in-class COTS and open source technologies. The ADvantage user base includes more than 50% of the Fortune 500 aerospace and defense companies and extends into marine, power systems, oil & gas, and the automotive industry.

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