

ANCA Motion Deploys Dassault Systèmes Dymola For Model-Based Development

Melbourne, 21 November 2012 - [Dassault Systèmes](#) (Euronext Paris: #13065, DSY.PA), the 3DEXPERIENCE Company, world leader in 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions and its Australian partner, MEMKO, today announced that ANCA Motion, an Australian specialist in the manufacture and development of machine control systems, has deployed the Dymola 2013 dynamic modelling laboratory.

The deployment will assist ANCA Motion in all future model-based development encouraging innovation, increasing speed to market and reducing costs during the product design process.

Dymola is a complete tool for modelling and simulation of integrated and complex systems for use within automotive, aerospace, robotics, process and other applications. ANCA Motion plans to use Dymola for programs such as electrical and mechanical modelling, enabling the company to create and explore multiple iterations of models representing products under development. One of the first products to be designed with the help of the software will be the ANCA Motion's next-generation drive.

The deployment of Dymola followed a six week trial during which the software was extensively tested by modelling designs for ANCA Motion's active in-feed drives. The deployment and trial were supported by MEMKO.

Craig Fletcher, Systems Engineering Team Leader, ANCA Motion, stated, "Model-based development is a very flexible approach that allows us to do a lot of design work up front, before any actual product exists. Using Dymola to create models that represent physical reality, we can obtain a better quality result because we are able to try out 50 different solutions to a problem, all with varying capabilities, and then choose the one that is optimal. In the process we save money and time."

One of the key reasons for selecting Dymola was its comprehensive ability to work with Modelica, a non-proprietary, object-oriented, equation based language for modelling complex physical systems. Unlike many other modelling solutions, Dymola supports the entire current Modelica library specification and facilitates porting to and from older Modelica libraries.

Other factors contributing to the decision include the software's efficiency in handling transitions from one state or mode to another, and its speed in solving modelling equations.

"Increasing our use of model-based development will allow ANCA Motion to become more innovative. It provides a way of quantifying decisions, so that the right choice is no longer the result of a discussion around a table. Decisions can be based on real data," Fletcher added.

Miro Miletic, Managing Director, MEMKO said, "Our selection as the preferred systems engineering technology partner by ANCA Motion Systems Engineering team is a great honour and our team looks forward to supporting the innovative working environment at ANCA Motion on current and future requirements"

About Dassault Systèmes

Dassault Systèmes, the 3D Experience Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 150,000 customers of all sizes, in all industries, in more than 80 countries. For more information, visit www.3ds.com

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About Memko

MEMKO Pty Ltd offers engineering services, technologies and training to assist and support customers in advanced and highly regulated industries. We focus on bringing sustainable and measureable performance improvements to complex and high performance operating businesses through the integration of advanced technology and processes.

MEMKO is as a Value Added Partner of Dassault Systemes offering essential drivers for business transformation. Memko through its PLM solutions such as ENOVIA, DELMIA, CATIA, 3DVIA and Systems Engineering solutions DYMOLA, ControlBuild, Reqtify and other complementary solutions including Verisurf and ICAM enable customers to achieve unparalleled solutions for integrated project management, process and human modelling, simulation, process optimization and product verification.

About ANCA

ANCA Motion <http://www.ancamotion.com>> control systems have been used in a variety of applications since 1974. Our aim is to become recognised as one of the market leaders in the design and manufacture of customized control systems that are used in world class machines. Our control systems are used on a number of applications ranging from complex 5 axes machine tools to 2 axes profile cutters and single axis stand alone applications.