Siemens at top aviation event
Farnborough International Air Show 2010

Farnborough, UK. In July, the Siemens Industry Automation (IA) and Drive Technologies (DT) divisions will be participating at the Farnborough International Air Show, the top international exhibition and executive event for the aviation industry.

From 18 to 25 July 2010 at the Farnborough Air Show, Siemens will be demonstrating how productivity can be increased, time to market reduced and costs lowered under the heading “Answers for Aerospace and Defence”. A success story is the collaboration of Volvo Aero and Siemens Industry Automation. “We wanted a few vendors and a very clean IT environment,” says Hans Widerberg, CIO Volvo Aero. Volvo Aero therefore decided to use Siemens, Microsoft and SAP software for its IT systems. Siemens product lifecycle management (PLM) software Team-
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Division
Drive Technologies
Industry Automation

center is being used for data management and tracking in product development and for configuration management. With the Siemens NX software, Volvo Aero can develop extremely lightweight components, a decisive competitive advantage in the industry.

Like Volvo Aero, a large number of international aircraft and engine manufacturers and suppliers rely on Siemens technology in product development and high-tech manufacturing.

The Sinumerik CNC control system, for instance, ensures maximum accuracy and productivity, shorter machine setup and idle times and an efficient production flow. Manufacturers benefit from holistic machine concepts and an end-to-end, integrated CAD-CAM-CNC process chain.

Customised Totally Integrated Automation concepts in all areas of pre-assembly and final assembly offer aircraft manufacturers a high level of integration and productivity. They make use of PLC, Scada systems, mobile panels and distributed I/Os from the Simatic family, as well as the Sinamics S120 drive system.

Global players in the aerospace industry use Siemens PLM solutions to increase productivity, reduce processing times, lower costs and minimise risks – at every phase of the product lifecycle, including at the design, engineering and production phases, right through to maintenance. Customers and suppliers are integrated into the development cycle. This enables prompt visualisation, implementation of suggestions for improvement, a reduction in the development cycle and a lowering of lifecycle costs. Simatic IT, the modular Manufacturing Execution System, is used in the complex production processes involved in aircraft manufacture. The system lets manufacturers manage large volumes of data whilst ensuring that the data is traceable at all times. The biennial air show in Farnborough is one of the most important industry events and is attended by all the leading companies. The exhibition presents new technologies and trends. A congress and seminar programme, a “Meet Your Buyer Day” and flying displays run alongside the exhibition. Contracts worth US$ 88.7 billion were signed at the 2008 Farnborough Air Show.

Siemens Motion Control

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