

## Automation and Drives

For the Trade Press

Nuremberg, February 27, 2007

**Preliminary trade fair report**

**Hannover Fair 2007**

### **Graphic programming of drive-related functions for Simotion and Sinamics**

**At this year's Hannover trade fair, Siemens Automation and Drives (A&D) will be demonstrating its Drive Control Chart (DCC) for complete graphic programming of technological functions for the Simotion Motion Control system and the Sinamics S120 drives series. With DCC, function blocks with multi-instance capability from a standard library are linked to each other and parameterized graphically. The technical closed-loop control structures are clearly displayed in the process. The user is thus provided with new ways of easily adapting Simotion and Sinamics to the specific functions of a machine.**

With the DCC editor from Siemens A&D, open-loop and closed-loop control functions can be configured very easily. Function blocks with multi-instance capability are selected from a predefined library and graphically linked to each other with the drag-and-drop function. DCC is not subject to any restrictions regarding the number of usable functions. The open-loop and closed-loop control structure created by means of DCC is displayed clearly. Existing diagrams can easily be displayed and reused. Testing and diagnostic functions make it possible to verify the program response or to identify causes in the event of a fault.

The function block library encompasses a large selection of control, mathematical and logic blocks as well as extensive open-loop and closed-loop control functions. For

logical linking, evaluation and acquisition of binary signals, all the standard logic functions are available such as AND, XOR, on/off delays, RS memory or counter. For monitoring and evaluation of numerical variables, there are many mathematical functions available, such as absolute value generation, dividers, and minimum/maximum evaluation. In addition to the closed-loop control of drives, coils, PI controllers, ramp generators or wobble generators can be configured without difficulty.

For the Sinamics S120 drive series, Drive Control Chart also provides an easy-to-use basis for solving drive-related tasks in the converter, thus taking the load off a higher-level control unit. The machine processes can be configured much more easily. Local processing in the drive leads to an improvement in the overall machine performance. In conjunction with the Simotion Motion Control system, almost unlimited programming of technical control structures is possible. They can then be combined with other program parts to form one overall program.

Further information at: <http://www.siemens.de/sinamics-s120> and <http://www.siemens.de/simotion>

This Press Release is accompanied by a photo which you can view in the Internet at: [www.siemens.com/ad-picture/1418](http://www.siemens.com/ad-picture/1418)

You can find the text in the Internet at: [www.siemens.de/automation/presse](http://www.siemens.de/automation/presse)



Siemens Automation and Drives (A&D) will be demonstrating its Drive Control Chart (DCC) for complete graphic programming of technological functions for the Simotion motion control system and the Sinamics S120 series of drives. With DCC, function blocks which feature multi-instance capability are come from a standard library are linked to each other and parameterized graphically. The technical closed-loop control structures are clearly displayed in the process. The user is thus provided with new ways of easily adapting Simotion and Sinamics to the specific functions of a machine.

You will find the photo on the Internet at: [www.siemens.com/ad-picture/1418](http://www.siemens.com/ad-picture/1418)

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Please phone us if you require a copy of the photo.

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