

Industry Sector Industry Automation Division

Nuremberg (Germany), October 20, 2009

Process control system Simatic PCS 7 LAB for micro process engineering

Ehrfeld Mikrotechnik BTS GmbH (EMB), a Bayer Technology Services GmbH company, and the Siemens Industry Automation Division jointly adapted the process control system Simatic PCS 7 LAB for use in micro process engineering, particularly for controlling the EMB modular micro reaction system.

The combination of modules of EMB's micro reaction system creates a reaction plant performing chemical synthesis to develop solutions for the chemical, pharmaceutical and life science industries. Specially tailored to laboratory requirements, the Simatic PCS 7 LAB monitors the processes of these plants; it controls, records and logs the relevant process variables such as pressure, temperature and flow rate. Thanks to an easy-to-use library, the engineering of the process control system becomes child's play. Technical information as well as parameter settings of the modules are stored as symbols in a library. To create an image of the plant, these symbols can be arranged and combined on a panel according to the plant configuration. Predefined functions and interfaces to external devices are already integrated.

"As a result of this collaboration, our customers benefit from the global-player expertise of Siemens: worldwide service and support, along with on-site user training", commented Dr. Olaf Stange, managing director of Ehrfeld Mikrotechnik BTS GmbH.

Further information can be found on the Internet at: www.siemens.de/simatic-pcs7-lab

A photo accompanies this press release. You can find this photo on the Internet at:

www.siemens.com/ad-picture/2106

You can find the text on the Internet at: www.siemens.com/automation/press



The Siemens Division Industry Automation cooperates with Ehrfeld Mikrotechnik BTS GmbH (EMB) in the area of micro reaction technology. From left to right: Miguel-Angel Fernandez, Siemens AG, Ulrich Schlagowski, Bayer AG, Martina Walzer, Siemens AG, Hans-Jürgen Eilers, Siemens AG, und Olaf Stange, Ehrfeld Mikrotechnik BTS GmbH.



Maria Krusche, Ehrfeld Mikrotechnik BTS GmbH (EMB) operates the microreaction plant using Simatic PCS 7 LAB. Siemens Division Industry Automation and EMB jointly adapted the process control system Simatic PCS 7 LAB for use in micro process engineering.

You can find these photos on the Internet at: www.siemens.com/ad-picture/2106

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The **Siemens Industry Sector** (Erlangen, Germany) is the worldwide leading supplier of production, transportation, building and lighting technologies. With integrated automation technologies as well as comprehensive industry-specific solutions, Siemens increases the productivity, efficiency and flexibility of its customers in the fields of industry and infrastructure. The Sector consists of six Divisions: Building Technologies, Drive Technologies, Industry Automation, Industry Solutions, Mobility and Osram. With around 222,000 employees worldwide Siemens Industry posted in fiscal 2008 a profit of EUR3.86 billion with revenues totaling EUR38 billion. www.siemens.com/industry

The **Siemens Industry Automation Division** (Nuremberg, Germany) is a worldwide leader in the fields of automation systems, low-voltage switchgear and industrial software. Its portfolio ranges from standard products for the manufacturing and process industries to solutions for whole industrial sectors that encompass the automation of entire

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automobile production facilities and chemical plants. As a leading software supplier, Industry Automation optimizes the entire value added chain of manufacturers – from product design and development to production, sales and a wide range of maintenance services. With around 42,900 employees worldwide Siemens Industry Automation achieved in fiscal 2008 total sales of EUR8.7 billion.

Ehrfeld Mikrotechnik BTS GmbH (EMB), a subsidiary of Bayer Technology Services GmbH, is one of the worldwide leading providers of services and products in the area of microreaction technology.

Bayer Technology Services GmbH offers fully-integrated solutions along the life cycle of chemical and pharmaceutical plants – from development through engineering and construction to process optimization for existing plants. The Bayer subsidiary employs nearly 2,600 experts worldwide at its headquarters in Leverkusen and other German locations, as well as in regional offices in Belgium, India, Mexico, the United States, Switzerland, the United Arab Emirates and the People's Republic of China. 2008 sales totaled approximately EUR 420 million.

Additional information about Bayer Technology Services and Ehrfeld Mikrotechnik BTS is available at www.bayertechnology.com and www.ehrfeld.com.

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