

DASGIP Supports Automated Sampling and Analyzer Integration

Juelich, 12th March 2009. DASGIP AG, leading manufacturer of parallel bioreactor systems, has launched a new edition of its parallel bioreactor control software DASGIP Control now supporting OPC communication. OPC representing Openness, Productivity and Collaboration defines standards for network wide exchange of real time data across different hardware platforms.

The DASGIP Control 4.0 OPC Edition allows a full integration of external laboratory devices into the DASGIP Parallel Bioreactor Control System. The added OPC integration, supported by a high level of process automation, amplifies the key benefits of the DASGIP parallel small-scale cultivation system for microbiology and cell culture: high reproducibility, ease of scale up and increased productivity.

Using direct OPC communication, DASGIP Parallel Bioreactor Systems support multi-vessel auto-sampling from small-scale bioreactors with sample transfer to multiple OPC compliant at-line analyzers. This offers real time monitoring of e.g. nutrient and metabolite concentration, cell density and viability, product formation and HPLC analysis. The at-line analyzer data is transferred to the DASGIP Control Software, visualized and stored along with all other online data. Any OPC data can be utilized in user defined functions allowing the implementation of real time nutrient control loops. DASGIP Control 4.0 OPC Edition supports scientists and process engineers to bring FDA's Process Analytical Technology (PAT) Initiative to live.

"OPC has become the standard for data exchange in the research driven chemical and pharmaceutical industries. DASGIP is happy to have entered partnership with key suppliers of laboratory devices to provide state-of-the-art solutions for advanced automation and information management", states Dr. Falk Schneider, Executive Vice President and Director of Software Engineering at DASGIP AG.

Communicate, capture and control – using DASGIP's open connectivity is not only a tool for better bioreactor control, but holds the potential for scientists and engineers to truly boost the performance of their labs.

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For more information about the DASGIP Control 4.0 OPC Edition, please visit our website: www.dasgip.com/news.

About DASGIP: DASGIP AG develops and manufactures technologically advanced Parallel Bioreactor Systems for the cultivation of microbial and mammalian cells at bench top and pilot scale. Process engineers, scientists and product developers from biotechnological, pharmaceutical and chemical companies as well as research institutions use DASGIP Parallel Bioreactor Systems for their biotechnological processes and benefit from increased productivity, high reproducibility, and ease of scale up, resulting in accelerated product development cycles. DASGIP is located in Juelich (Germany) and Shrewsbury, MA (USA).

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