

Press release



Process Systems Enterprise Limited

FOR IMMEDIATE RELEASE

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Voith Paper chooses gPROMS

Leading paper machinery manufacturer standardises on PSE technology & services

Voith Paper Heidenheim GmbH, one of the world's key manufacturers and suppliers of paper machines and paper plant, has chosen Process Systems Enterprise's (PSE's) gPROMS Advanced Process Modelling (APM) software as its company-wide modelling platform. PSE will also provide extensive modelling services, training and knowledge transfer.

Voith Paper intends to enhance operations throughout all its divisions – research, engineering, control and eventually operations, operator training and sales & marketing – through the extensive application of Advanced Process Modelling.

gPROMS is the world's leading APM environment, and is used throughout the chemical and other process industry sectors for optimisation of design and operation of process plants and for model-based innovation.

Voith's modelling focus is the areas downstream from the pulp process: the 'additional chemistry' processes for creating different papers, drying and remoisturising processes, and all the interactions that are responsible for process efficiency and stability. In addition, modelling will be used to enhance energy integration and optimise water usage.

Besides the application to enhancement of design and operations, Voith Paper will also use modelling to minimise the need for physical testing and to optimise process trajectories in order to minimise time taken to move between test steady states.

Mr Ulrich Begemann, Head of Research and Development, says "We were looking for an environment that had the flexibility and power to fulfil all these requirements, and that allowed extensive re-use of models. gPROMS' solution power, as well as advanced modelling capabilities such as parameter estimation for tuning models to plant and laboratory data, and dynamic optimisation in order to optimise trajectories between steady states, were important factors in our decision".

The company undertook a comprehensive evaluation process lasting over a year, in which all the major modelling environments were considered. Voith personnel compared features, evaluated software against their requirements lists, attending training courses and user meetings, and undertook trial projects.

Mr Hermann-Josef Post, responsible for Process Simulation at Voith Paper Heidenheim, adds "one of the key factors in choosing gPROMS was the high quality of PSE's support during the evaluation period, including the responsiveness, level of expertise and accessibility of personnel, and the availability of expert German-language support. This gave us great confidence that we would be able to achieve our goals in the future."

Also tested were the integration of gPROMS with The Mathworks MATLAB® and Simulink® and the Siemens PCS7® product family, to allow the use of detailed APM models in control design and Factory Acceptance Testing (FAT) of control software respectively.

PSE Sales Director Syed Shah, says "We are very pleased that Voith Paper chose gPROMS. As our first customer in the pulp & paper sector this is a major milestone for us, and we look forward to a close working relationship".

Notes for Editors

About Voith Paper Heidenheim

Voith Paper (www.voithpaper.com) is a Division of the Voith Group and a leading partner to the paper industry. More than one third of the world's paper production is produced on Voith Paper equipment.

Voith is setting standards in the markets paper, energy, mobility and service. Founded on 1 January 1867, with approximately 30,000 employees, a turnover of EURO 3.5 billion and over 200 locations world-wide, Voith is today one of Europe's large family-owned companies.

Voith is an official partner in the "Germany – Country of Ideas" initiative.

About Process Systems Enterprise Ltd

PSE (www.psenderprise.com) is one of the world's foremost providers of advanced modelling technology and services to the process manufacturing industries. The company specialises in Advanced Process Modelling software and Model-Based Innovation services, which use high-accuracy mathematical models of process equipment and phenomena to provide high-quality information for decision support in process innovation, design and operation.

Use of PSE's technology and services results in faster innovation, improved designs of processes and products, enhancement of existing operations, better economic planning of complex operations and more effective R&D and experimental programmes. Results are achieved with relatively low investment compared to alternative approaches (where these exist), with rapid return on investment and transfer of modelling know-how to industry.

PSE's global customer base of process manufacturing companies and their technology suppliers is served by offices in the UK, USA, Germany and Japan, and agencies in China, India and Korea.

About gPROMS

gPROMS[®] is the world's leading Advanced Process Modelling (APM) environment. It is used to provide high-quality information for decision support in innovation, design and operation across all sectors of the process industries, with particular focus on modelling of complex operations such as reaction, crystallisation and polymerisation. Companies apply gPROMS to reduce time-to-market for new processes or products, improve designs, enhance production, reduce capital and operating expenditure and comply more effectively with safety, health and environmental requirements.

gPROMS is applied across the 'process lifecycle', from laboratory experimentation, through process and detailed design, to online operation, and is central to the emerging technology of Model-Based Innovation. PSE also provides gPROMS as a third-party APM and solution engine to channel partners in the automation, operator training and process simulation markets. PSE is committed to maintaining gPROMS at the leading edge of modelling technology.

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