

Press release



Process Systems Enterprise Limited

FOR IMMEDIATE RELEASE

Release date: 10 June 2008

PSE completes roll-out of 2nd generation gPROMS modelling technology

Platform for process innovation and risk management to 2020

LONDON, 10 June 2008 --- Process Systems Enterprise (PSE), providers of the world-leading gPROMS advanced process modelling (APM) software and related services, today completed its roll-out of the 2nd generation gPROMS process modelling platform with the release of gPROMS v3.1.

gPROMS is widely used by large process industry companies in the oil & gas, chemicals, pharmaceutical and similar sectors for accelerating innovation, managing development risk and optimising process design and operation through the application of high-accuracy mathematical models of processes and products.

gPROMS v3.1 is the culmination of many years' development resulting in the staged release of a completely re-architected product, phase 1 of which was released as v3.0 eighteen months ago. In addition to the new architecture v3.1 includes many new usability, modelling and solution techniques that establish it as a leader in all areas.

PSE Managing Director Costas Pantelides says "the leading process industry companies are becoming serious about capturing their considerable IP in mathematical models and systematically using these to accelerate innovation and manage risk. As companies move their IP from legacy code and traditional process flowsheeting environments, they need to know that their investment is secure. We have ensured this with a seamless transition to a completely new generation of software that will remain state-of-the-art for a decade or more."

V3.1 provides significant new functionality for both model users and expert model developers. It provides a comprehensive set of facilities for large-scale graphical flowsheeting, such as multi-layered flowsheets with different layers representing different aspects of the process. It also supports extensive "on-flowsheet" display of results, including user-configurable tables, plots and animations linking, for example, an icon's colour or size to temperature or volume.

gPROMS v3.1 also represents a step-change in solution power, with several important "firsts" in process modelling technology. Extensive internal R&D has resulted in a unique mechanism for obtaining an initial solution to complex models – which can sometimes run to millions of equations – by encapsulating users' experience. New advanced techniques for the solution of multi-dimensional distributed models can reduce solution time for complex models by an order of magnitude.

Prof. Pantelides adds "the completion of the new platform roll-out fulfils our aim of keeping gPROMS right at the forefront of process modelling technology, allowing our users to reap the benefits from the increasingly detailed and accurate models that are required to gain true competitive advantage. It also provides PSE with a rock-solid foundation for implementing further major developments to deliver even more modelling power and usability over the next ten years."

For images and further information see

http://www.psenterprise.com/news/press_releases/080609_gproms31/index.html.

Notes for Editors – PSE distribution version

About Process Systems Enterprise Ltd

PSE (www.psenterprise.com) is one of the world's foremost providers of Advanced Process Modelling (APM) software and services to the process manufacturing industries. APM uses high-accuracy mathematical models of process equipment and phenomena to provide high-quality numerical information for decision support in process innovation, design and operation.

Use of PSE's technology and services within Model-Based Innovation programmes results in faster innovation, improved designs of processes and products, enhancement of existing 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 operations in the UK, USA, Germany, Japan and Korea, and agencies in India. PSE is a spin-out of Imperial College London. The company's own ability to innovate was recognised with the receipt of the prestigious Royal Academy of Engineering MacRobert Award for Engineering Innovation in June 2007.

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, polymerisation and fuel cell processes, where PSE supplies state-of-the-art open model libraries.

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 is committed to maintaining gPROMS at the leading edge of modelling technology.

For further information, please contact:

Mark Matzopoulos
Marketing Director
Process Systems Enterprise Limited
Bridge Studios
107a Hammersmith Bridge Road
London W6 9DA, United Kingdom

Tel +44 (0) 20 8563 0888
Fax +44 (0) 20 8563 0999
Email m.matzopoulos@psenterprise.com

On-line media information is available at:
<http://www.psenterprise.com>