

 **Press release**

FOR IMMEDIATE RELEASE

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PSE releases gPROMS[®] Server

Application software developers can embed full modelling and solution power of gPROMS[®]

Process Systems Enterprise (PSE) of London today announced the release of gPROMS SERVER (gSERVER), a fully-functional modelling and solution engine that can be embedded directly within third-party software applications such as decision support environments, specialised modelling tools and operator training packages.

A member of the gPROMS product family, gSERVER enables a third-party application to employ gPROMS' powerful modelling language for the description of process models of arbitrary complexity, and then apply to these models any or all of the gPROMS solution capabilities. The latter include not only steady-state and dynamic simulation, but also gPROMS' unique capabilities in the areas of steady-state and dynamic optimisation, as well as the parameter estimation capabilities which enable tuning of models to steady-state and dynamic experimental or plant data.

"To our knowledge, this is the first time that the entire capabilities of a process modelling tool have been made available for embedding within third-party application software in a completely general and efficient manner", says PSE's Technology Director, Prof. Costas Pantelides. "Application developers can now focus their efforts on the areas where they can derive maximum competitive advantage – their own technology –while relying on the world's most powerful engine to take care of all the modelling and solution aspects of their applications."

gPROMS Server is available immediately on all platforms supported by gPROMS itself, including both Microsoft Windows and UNIX. From the commercial point of view, gSERVER is available under a flexible range of licensing options that permit its competitive incorporation within applications of virtually any size and cost.

gSERVER has had immediate application – within PSE's own products. "We use gSERVER as the core of the gPROMS family of products", says Pantelides "including PSE's latest generation of gPROMS-based 'plug-ins' such as those for Simulink[®]". gSERVER also provides the modelling engine for PSE partner ABB Automation's family of advanced automation applications, and is used by companies such as FLS Automation and Inventa-Fischer who deliver applications based on gPROMS.

About Process Systems Enterprise Ltd: PSE (<http://www.psenterprise.com>) is one of the world's leading providers of model-based technology and services for design and decision support to the process manufacturing industries. The company was founded in 1997, originally to deliver and support in the commercial market innovative process modelling technology originating from London's Imperial

College. Among its unique offerings are advanced software packages, services and expertise for modelling and simulation of manufacturing processes and optimal design, planning, scheduling and operation of flexible manufacturing facilities. PSE has established itself as a leading independent high-tech provider to a growing, global customer base that encompasses the largest process manufacturing and automation companies in the world. The company is a winner of the prestigious UK Queen's Award for Enterprise and Innovation for 2001, for its gPROMS mathematical modelling framework and dynamic optimisation technology.

About gPROMS: gPROMS was originally developed at the Centre for Process Systems Engineering of London's Imperial College as the "next generation" dynamic process modelling environment, and has been under commercial development by PSE since 1997. It is widely used for its industry-proven capabilities in detailed modelling and optimising of process plants under dynamic, as opposed to steady state, conditions. gPROMS' advanced modelling and solution techniques and open software architecture have led to it becoming the tool of choice in many areas of advanced modelling application, in particular in areas such as crystallisation and polymer process modelling where suitable general-purpose tools have not been available in the past.

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