

**FOR IMMEDIATE RELEASE**

Release date : 10 January 2003

**PSE release gPROMS<sup>®</sup> version 2.2****Major usability enhancements for leading process modelling environment**

PSE today released version 2.2 of its gPROMS modelling, simulation and optimisation environment. The latest version of this technology-leading package for the process industries brings substantial enhancements in both usability and power, and is a major step in PSE's continuing development of a comprehensive platform for modelling throughout the organisation.

Version 2.2 contains significant productivity and quality assurance enhancements to the ModelBuilder project environment at the heart of the gPROMS family of products. In addition, v2.2 maintains gPROMS' position at the leading edge of modelling and optimisation with industry-first implementation of Mixed Integer Optimisation (MIO).

The new developments include:

- Significant **modelling and project environment** and **general usability enhancements** to facilitate model construction and maintenance
- **Modelling support tools** such as project-wide search-and-replace and powerful comparison facilities
- Further **Quality Assurance** tools such as case archiving, and modification tracking
- **Execution-phase enhancements** to speed up execution and provide more interactive control to the user
- **Interoperability features** to allow easy importing and exporting of gPROMS data to other gPROMS family products and third-party gPROMS-based applications.

The MIO facilities enable process designers to include integer or discrete decisions within steady-state or dynamic design optimisation runs. This allows determination of, for example, optimal distillation feed or draw tray location, or the selection of the optimal processing route during process synthesis, against an economic objective function.

"gPROMS is recognised as the most technologically advanced system for expert modellers", says John de Brugha, PSE's Head of Sales and Marketing. "gPROMS' acknowledged power, speed and interoperability capabilities have now become significantly more accessible to all levels of user, bringing the benefits of advanced process modelling to engineers and scientists across the organisation from the laboratory to the operating plant".

A detailed overview of version 2.2 features is available on the PSE website at [www.psenterprise.com](http://www.psenterprise.com), and web presentations can be arranged by contacting PSE at [info@psenterprise.com](mailto:info@psenterprise.com).

## Notes for Editors

### About gPROMS

gPROMS is one of the world's leading software packages for advanced process modelling, simulation and optimisation. Conceived and initially developed at London's Imperial College, the package has been developed and marketed by PSE since 1997. gPROMS is widely used throughout the process industries for quantitative decision support in all areas of process design and optimisation, as well as for advanced product design. 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 detailed reaction engineering where suitable general-purpose tools have not been available in the past. PSE is committed to maintaining gPROMS at the leading edge of modelling technology and this has resulted in some notable industry firsts in the areas of parameter estimation, dynamic optimisation and mixed integer-dynamic optimisation (MIO) capabilities.

### About Process Systems Enterprise Ltd

PSE (<http://www.psenterprise.com>) is one of the world's leading deliverer of modelling technology and model-based 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, and for the past two years has been listed among the 100 fastest-growing technology companies in the UK. It employs around 35 graduates and PhDs at its headquarters in London, UK, and has sales and consulting operations in Germany and Japan.

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