Press release

IMMEDIATE RELEASE
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Process Systems Enterprise Inc. announces the formation of The Partnership for Advanced Process Modeling

Carnegie Mellon signs on as first university partner in the US

Cedar Knolls, NJ, April 3, 2012 -- Process Systems Enterprise Inc. (PSE), the Advanced Process Modeling™ company, today announced the creation of The Partnership for Advanced Process Modeling, a global initiative to accelerate the use of advanced process modeling at leading engineering universities. PSE also announced the signing of Carnegie Mellon University as the first US University partner.

PSE, a spin-out of Imperial College London, England, will contribute to the Partnership with Carnegie Mellon's Center of Advanced Process Decision-making its leading gPROMS® platform software, model libraries, and training services. The universities will drive exposure and adoption of the technology of advanced process modeling to its chemical engineering students at the graduate and undergraduate level, the teaching staff, and selected industrial participants.

gPROMS, the world's leading advanced process modeling platform, is used by process companies around the world to make better, faster and safer design and operating decisions by reducing uncertainty. This enables reduced time-to-market for new processes or products, better-managed development risk, improved designs, enhanced production, reduced capital and operating expenditure and better compliance with safety, health and environmental requirements.

The package is applied in all sectors of the process industries, in particular those with complex operations such as reaction, separation, crystallization, polymerization and fuel cell processes.

"The Partnership for Advanced Process Modeling is a critical initiative at a crucial time", said Dale Curtis, President of Process Systems Enterprise, Inc. "As more process-centric companies look for ways to create and capture sustainable value, the power of advanced process modeling needs to become more integral to those efforts. Our goal is for engineering students to see what we see – that advanced process modeling is a value magnet, capable of driving revenue growth, costs savings and risk mitigation."

"Carnegie Mellon University is pleased to be the inaugural US partner in this vital initiative", said Professor Ignacio Grossmann, Director of CMU's Center for Advanced Process Decision-making (CAPD). "We understand we need to provide the next generation of industry practitioners with the most advanced tools industry needs to win in a competitive global economy. Along with our research at CAPD, this Partnership with PSE enables us to do just that."

Contact: James Wade, Marketing Manager
Tel 973 290 9559, email j.wade@psenterprise.com
Information: http://www.psenterprise.com

About Carnegie Mellon University and the CAPD

Carnegie Mellon (www.cmu.edu) is a private, internationally ranked research university located in Pittsburgh with programs in areas ranging from science, engineering and business, to public policy, the humanities and the arts With more than 11,000 students in the university's seven schools and colleges, its education and research is characterized by its focus on creating and implementing solutions for real problems, interdisciplinary collaboration and innovation.

Carnegie Mellon is an international leader in the area of process systems engineering. Its Center for Advanced Process Decision-making (capd.cheme.cmu.edu) is in the forefront of process modelling and optimization for the process industries. The research in the CAPD is led by Professors Biegler, Grossmann, Sahinidis, Siirola, and Ydstie in the areas of modelling and optimization algorithms, process synthesis and product design, energy systems, enterprise-wide optimization, process operations, and molecular computing.

The CAPD has over 20 international industrial affiliates in the petroleum, chemicals, consumer products, pharmaceuticals, engineering and software sectors. The research is performed by over 40 postgraduate and postdoctoral students with funding from the National Science Foundation, Department of Energy and member companies. Many of its graduates have become leading researchers in universities and in industry.

About Process Systems Enterprise Ltd

PSE (www.psenterprise.com) is the world's foremost provider of Advanced Process Modeling software and services to the process industries. Advanced Process Modeling is transforming the way that process companies design and operate processes by enabling better, faster and safer design and operating decisions and reducing uncertainty.

Use of PSE's technology and services results in faster innovation, improved designs of processes and products, enhancement of existing operations and more effective R&D and experimental campaigns. It also facilitates capture and transfer of corporate knowledge across the organization. Results are achieved with relatively low investment compared to alternative approaches – where these exist – with rapid return on investment.

PSE's global customer base of Fortune 500 process industry companies is served by operations in the UK, USA, Germany, Japan and Korea, and agencies in Saudi Arabia, India, China, Thailand, Malaysia and Abu Dhabi. PSE is a spin-out of Imperial College London, and its software is also used in some 200 universities around the world.

The company's own ability to innovate was recognized with the award of the prestigious Royal Academy of Engineering MacRobert Award for Engineering Innovation, the highest UK engineering prize.

About gPROMS

gPROMS® is the world's leading Advanced Process Modeling environment. gPROMS models are used to explore the design or operational decision space to provide accurate predictive information for decision support. This helps companies reduce time-to-market for new processes or products, manage development risk, improve designs, enhance production, reduce capital and operating expenditure and ensure better compliance with safety, health and environmental requirements.

The package is applied in all sectors of the process industries, with particular focus on modeling of complex operations such as reaction, separation, and polymerization. PSE also supplies a range of process engineering tools built on the gPROMS platform, including gFUELCELL®, gSOLIDS®, gCRYSTAL® and gFLARE®.

gPROMS is applied across the ‘process lifecycle’ and at multiple scales, from laboratory experimentation through process and detailed design to online operation, and is central to a model-based engineering approach. PSE is committed to maintaining gPROMS at the leading edge of process modeling technology