

### Gold standard for Process Systems Enterprise

Process Systems Enterprise (PSE) is the first process engineering software company to become an Institution of Chemical Engineers (IChemE) Gold Corporate Partner. They were presented with the award for inspiring and developing the next generation of chemical engineers through a range of activities.

The company, which started life as a spin-out from Imperial College London's Centre for Process Systems Engineering, is a dedicated supporter of IChemE's *whynotchemeng* programme, which aims to promote the diverse range of careers in chemical, biochemical and process engineering to school students aged 14-18.

Through a partnership with the Access Project and King Solomon Academy London, 18 employees at PSE's London headquarters are tutoring GCSE and A level students in Science, Technology, Engineering and Maths (STEM) subjects. This has helped students discover career opportunities in engineering and supported their preparations for further education, such as university applications and interviews, as well as familiarised them with a business environment.

PSE also hosts up to 15 interns from European and Korean universities each year, typically on six-month work placements. The placement provides students with an industrially-relevant Masters project involving a complex process modelling application.

The award of Gold Corporate Partnership also recognises the innovative PSE Academic Teaching Highway (PATH) scheme, which provides undergraduate chemical engineering degree programmes with specially-tailored teaching modules on process modelling. PSE's gPROMS advanced process modelling software is used in over 200 universities for teaching and research.

IChemE's Immediate Past President Jonathan Seville presented PSE's Gold Corporate Partner status on Wednesday 12 July to MD Costas Pantelides at the PSE offices in West London.

Jonathan Seville said:

"PSE is a real success story. Starting life as an Imperial College spin-out, it is now the world's leading provider of advanced process modelling technology with over 150 employees around the world. The company's success is a great example of the strong industrial impact of academic research in UK chemical engineering departments.

"The company takes its responsibility towards the profession very seriously, encouraging its own employees in their advancement and promoting the subject to future engineers from school age right through to graduation and beyond.

"I'm delighted to present them with IChemE's Gold Corporate Partner Award. It's clear that everyone at PSE has a passion to encourage and inspire future generations and to advance the profession for the benefit of society."

Costas Pantelides, PSE Managing Director, said:

"Because our focus as a company is on next-generation technology and workflows for the chemical process industries, it has always been important for us to help develop the next generation of engineers who will be able to take full advantage of these innovative approaches. We are delighted to have our efforts over the years recognised with the award of Gold Corporate Partner status."

Following the upgrade to Gold, PSE is now looking to collaborate with other IChemE Corporate Partner companies on secondment agreements that will give their young chemical engineers first-hand experience of the application of advanced process modelling within industry.

## Related links

[IChemE Corporate Partnership Scheme](#)

[Process Systems Enterprise Ltd](#)

[Chemical engineering research makes an impact in Parliament](#)

[Chemical Engineering Matters for a Modern World booklet](#)

## Notes to media

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## What is chemical engineering?

Chemical, biochemical and process engineering is the application of science, maths and economics in the process of turning raw materials into everyday, and more specialist, products. Professional chemical engineers design, construct and manage process operations all over the world. Oil and gas, pharmaceuticals, food and drink, synthetic fibres and clean drinking water are just some of the products where chemical engineering plays a central role.

**IChemE:** [www.icheme.org](http://www.icheme.org)

With a membership exceeding 44,000 members in over 120 countries, and offices in the Australia, New Zealand, Singapore, Malaysia and the UK; IChemE aims to be the organisation of choice for chemical engineers. It promotes competence and a commitment to best practice, advances the discipline for the benefit of society and supports the professional development of its members. IChemE is the only organisation to award [Chartered Chemical Engineer](#) and [Professional Process Safety Engineer](#) status.

## About Process Systems Enterprise Ltd (PSE; [www.psenderprise.com](http://www.psenderprise.com))

PSE ([www.psenderprise.com](http://www.psenderprise.com)) is the world's foremost provider of Advanced Process Modelling software, services and solutions to the process industries. Companies apply advanced process models to explore the process decision space rapidly and effectively, in order to reduce uncertainty and make better, faster and safer design and operating decisions.

PSE provides gPROMS advanced process modelling products built on the gPROMS® equation-oriented platform. The two core products are the gPROMS ProcessBuilder® flowsheeting environment for fluid processes and the gPROMS FormulatedProducts® environment for integrated design and optimisation of formulated products and their manufacturing processes. The company also provides a number of gPROMS Process Operations Solutions for operational monitoring, optimisation and planning based on high-fidelity models.

Use of PSE's technology and services results in faster innovation, improved process and product designs, enhanced operations, reduced risk, more effective R&D and experimental campaigns and better capture and transfer of corporate knowledge across the organisation. Results are achieved with relatively low investment compared to alternative approaches, with rapid returns on investment.

PSE's global customer base of Fortune 500 process industry companies is served by operations in the UK, USA, Japan and Korea, and agencies in China, Taiwan and Thailand. PSE is a spin-out of Imperial College London, and its software is used in over 200 universities around the world.

PSE is committed to defining, developing and driving the adoption of next-generation process modelling software and workflows. PSE's own ability to innovate was recognised with the award of the prestigious Royal Academy of Engineering MacRobert Award for Engineering Innovation, the UK's highest engineering prize.