

SCG Chemicals Company chooses gPROMS modelling for digital design and operations

Next-generation tools help accelerate innovation, create competitive advantage

March 22, 2019 11:55 AM Eastern Daylight Time

LONDON--(BUSINESS WIRE)--Process Systems Enterprise (PSE), the Advanced Process Modelling company, today announced that it has signed a long-term agreement with SCG, one of the largest integrated petrochemical companies in South East Asia, to standardise on PSE's gPROMS® modelling technology for digital design and operations.

PSE announces long-term agreement with SCG Chemicals, one of the largest integrated petrochemical companies in South East Asia to standardise on PSE's gPROMS modelling technology for digital design and operations.

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SCG applies advanced process models within digital design initiatives to explore the process decision space rapidly and effectively, in order to reduce uncertainty and make better, faster and safer design and operating decisions. This help them to accelerate innovation and optimise the design and operation of their process plants.

Dr Suracha Udomsak, SCG's Emerging Business Director and R&D Director, says, "at SCG Chemicals, advanced process modelling (APM) is a key element in our Digital Manufacturing platform. APM accelerates innovation by making the development workflow 'faster, cheaper & safer', which are key considerations for us. It is a core technology building block that enables us to discover and develop new products – for example, new-generation polyethylene – and accelerate their time to market".

PSE's gPROMS is widely used throughout the chemicals, energy, petrochemical, food and pharmaceuticals sectors to accelerate innovation and optimise existing operations. Its key advantages are the ability to represent complex processes to a high degree of predictive accuracy using high-fidelity multi-scale models. These can then be used in large-scale process and plant optimisation to maximise economics, and for systematic exploration of the decision space to reduce risk and uncertainty. The new gPROMS Digital Applications Platform now makes it possible also to implement high-fidelity models online for monitoring, forecasting and optimisation, to generate value from day to day.

Says Mr Surachate Chalothorn, SCG's Process Technology Director, "We apply modelling in three main areas: Operational Excellence, for process optimisation and debottlenecking; in new product development, in order to speed up development and reduce risks in plant trials; and in technology development, to provide a virtual lab for pilot testing."

James Marriott, head of PSE's Energy & Chemicals division, said "we are very pleased to be working with innovators like SCG, where the next-generation modelling capabilities that we have to offer can really make a difference."

For Editors

'About' information: www.psenterprise.com/news/pr190322

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PROCESS SYSTEMS ENTERPRISE

- **Headquarters:** London, United Kingdom
- **Website:** www.psenterprise.com/
- **CEO:** Costas Pantelides
- **Employees:** 150
- **Organization:** PRI

Release Summary

PSE announces long-term agreement with SCG Chemicals, SE Asia to standardise on PSE's gPROMS modelling technology for digital design and operations.

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