

ADVANCED PROCESS MODELLING FORUM 22-23 APRIL 2015



Welcome & introduction

Mark Matzopoulos – Marketing Director & Deputy MD



















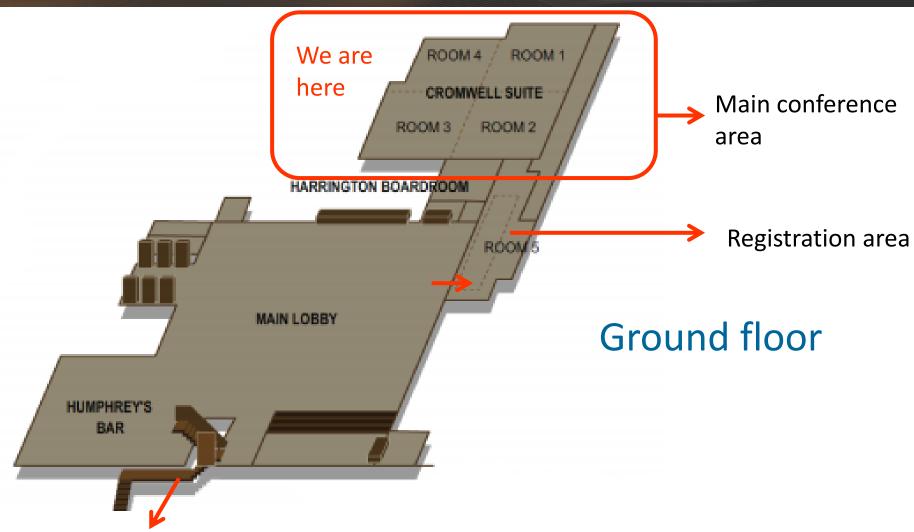




Welcome

Venue – Main conference & Track 1



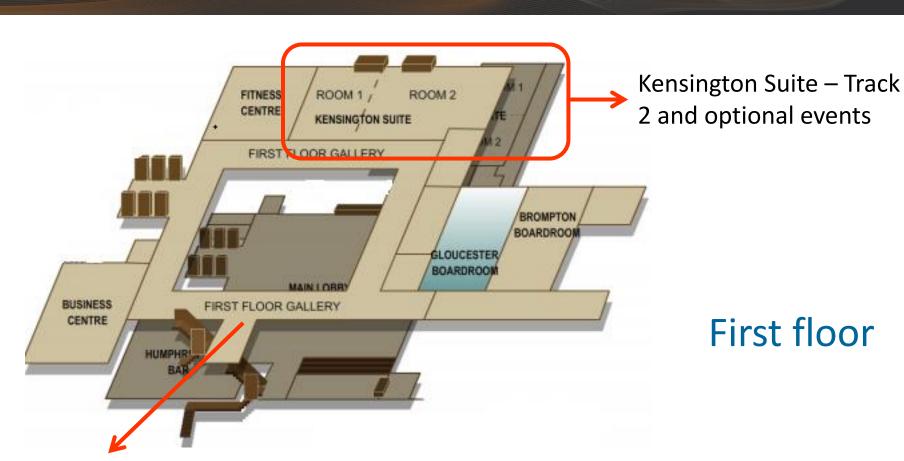


Stairs and lift to first floor and conservatory



Venue – Track 2





To conservatory for refreshment breaks

Venue – Conservatory



Conservatory

All refreshments
All lunches
Morning coffee tomorrow
Poster sessions
Vendor positions



Welcome & thanks

Keynote presenters

- Jan van Schijndel, Technology Opportunity Manager GTL,
 Shell
- Bob Docherty, Senior Director, Pfizer

Presenters from

- AstraZeneca, BP, GS E&C, KBC, National Nuclear Laboratory, NIZO, Perceptive Engineering, Pfizer(2), Primetals, SCG, Shell(2), Sulzer, Aristotle University, University of Leeds, Loughborough University, Purdue University
- Academic poster presenters see booklet

Wednesday 22 April



Main conference – Day 1

This room

Morning: General session

Welcome, introduction and keynotes

Morning Track 1

This room

Life Sciences, Food & Consumer Goods

Lunchtime activities

Academic poster session

Afternoon Track 1

This room

Life Sciences, Food & Consumer Goods

Morning Track 2

Kensington Suite

Advanced Process Modelling

[Academic Advisory Board]

Afternoon Track 2

Room 2

Power, CCS & Energy

Evening

Coach to Westminster Pier

18:30-22:30 Drinks & dinner Thames cruise

Tonight: Thames cruise



Vessel: PS Elizabethan

Mississippi stern-wheeled paddle steamer



This evening – river cruise



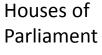


THAMES

Millennium Bridge



Tower Bridge



Westminster Pier



London Eye



The Shard



Millennium Dome



Battersea Power Station



City Hall

Thursday 23 April



Main conference – Day 2

Morning

This room

Software & Applications

Lunchtime activities

Academic poster session

Afternoon

This room

Oil & Gas, Chemicals & Petrochemicals

Optional seminar

Kensington Suite

S1: Oil & Gas Safety Seminar

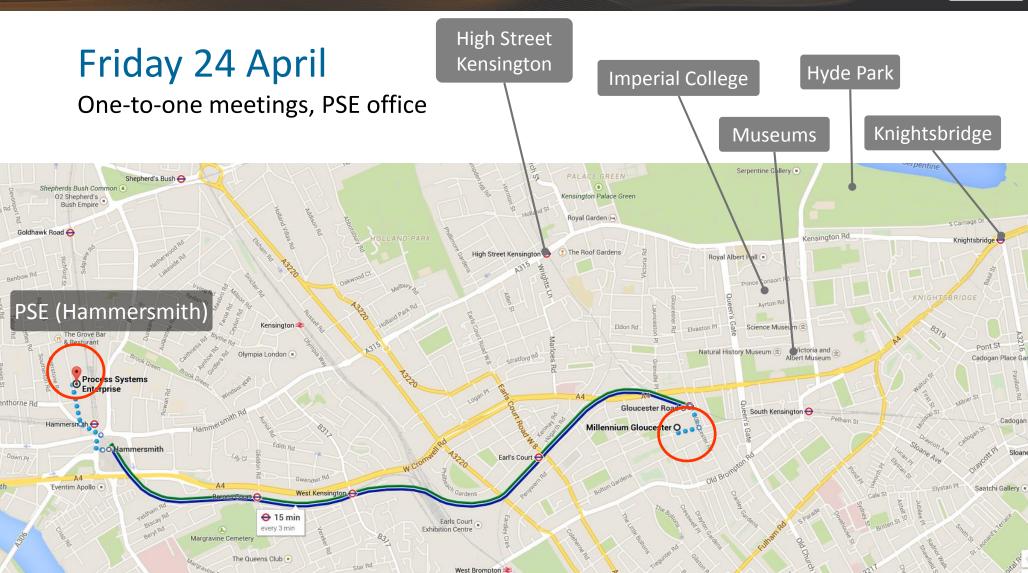
Invited training

Kensington Suite

WS8: Spray Dryer training

Where we are





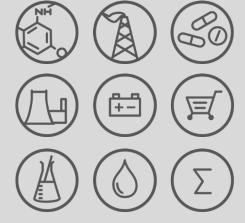


Advanced Process Modelling



High-fidelity First-principles Distribution Validated System Dynamics Systems

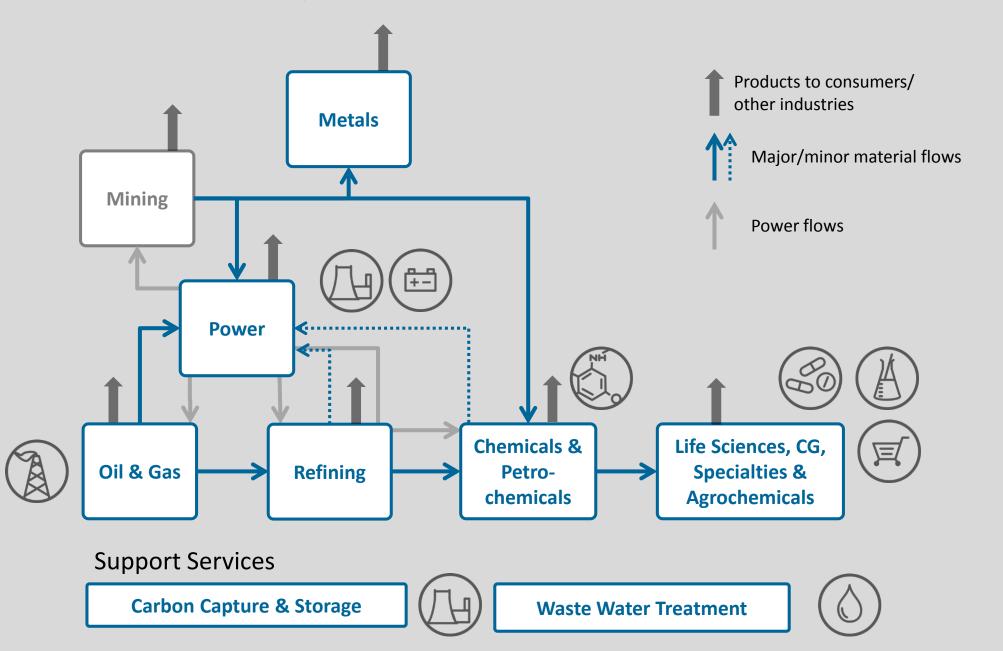




Transforming practice

Formulate, Develop, Design, Operate

Context: the process industries value chain



Chemicals & Petrochemica

Presentation tomorrow Presentation barrow ased on high-fidelity Detailed reactor models



- Optimisation technologies
- optimal equipmentation tomorrow

 optimal equipmentation

 optimal precess with
- Integration of experimentation and design
- "Lifecycle" application of models

Create new value

Keynote presentation today:

Jan van Schijndel

Life Sciences, Food & Copsur r Goods

- New technologies, atio workflows for formulated presents.

 early
 - early screening of formulation
- Systems-based Placentation today

 Digital Design Presentation

 Digital Design Presentation

 The second presentation today
 - FDA is adopting technology

Transforming practice



Keynote presentation today: **Bob Docherty**

Oil & Gas

- Changing safety best practice
- High-fidelity dynamic modelling row
 Reducing capital spend wto improving safety
 Bringing new best practice to decades-old tice to decades-old approaches
 - API guidelines
- Now extending to production optimisation





Power & CCS

- Enabling
- nabling large or today

 Interseed system decision
- Aiding development of ation technology
 Toyota Mirai funces car now available







Enabling breakthrough technology

Wastewater treatment

- Also power consumption; other ation
 Optimisation terreselogies
 Minimise r Minimise power consumption / maximise generation
 - Web-based delivery, online
 - On operator iPad







Thank you