Integration of Process Analytics and Control into Process Intensification Plant

Establishing the issues facing industrial uptake of PI Plant

Presented by

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Objectives

Through workshops to:

- ◆ **Raise industrial awareness of the opportunities offered by PI plant coupled with an appreciation of the business and technical risks to achieve industrial 'pull through'.**

- ◆ **Raise technology provider awareness of business needs and barriers to take up new technologies.**

- ◆ **Prepare a technology routemap that integrates the underpinning technologies, identify the roles for the key providers and establishes a pathway for the implementation of PI plant.**

Format of the First Workshop

Small working group

- ◆ **Identify technical issues for 'PI Plant':**
  - – Measurement techniques matched to different reactions and reactants.
  - – Development of on-line analytical equipment, sampling systems and rapid data processing.
  - – Control strategies for process optimisation.
  - – Reach agreement on what we can do now and what the remaining challenges are.

- ◆ **Identify the key themes that determine business uptake, including non-technical factors like safety, legislation, TTM.**

- ◆ **Offline, prepare focused presentations and Q&A to address the common concerns**

Format of the Second Workshop

Using the results from the first workshop:

- ◆ **Present a series of structured Q&A to the issues identified previously**

- ◆ **Proposing solutions to them and seek opinion and possibly consensus from the delegates.**

- ◆ **Raise business awareness of the opportunities and risks with these options**

- ◆ **If possible agree an action plan for resolving the main barriers to business uptake.**

What next?

- **The project partners (BHR, Protensive, David Reay, Newcastle Univ, Strathclyde Univ,UCL) will meet to finalise the format of workshops**

- **Over the next two months, finalise venues, dates, etc and mail invitations to industry.**

- **Hold meetings at dates TBA and issue results to those interested.**

- **If you would like to:**
  - **take part**
  - **find out about the results**

  then let me know.