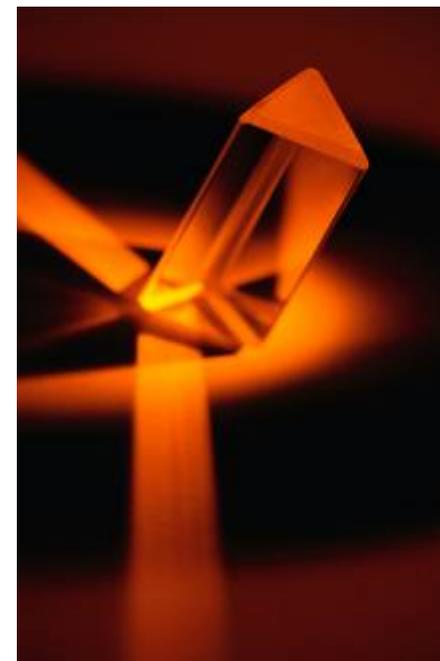


Chemistry Innovation

PILLS overview

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PILLS: Process Intensification methodologies applied to Liquid-Liquid Systems in structured equipment

- European FP7 project, €5.5m (€3.6m EU)
- Project coordination by Chemistry Innovation
- Follows on from the FP6 project IMPULSE
- Develop new methodologies and the next generation of processing equipment applicable to liquid-liquid reaction systems
- Exemplification
 - Commodity chemical
 - Fine/speciality chemical
- Proposal well received by the commission and scored highly

PILLS: Process Intensification methodologies applied to Liquid-Liquid Systems in structured equipment

- 10 European participants
 - UK – CI and Britest
 - Belgium – Huntsman
 - Portugal – CUF, Fluidinova, University of Coimbra
 - Switzerland – EPFL, Givaudan
 - Germany – IMM
 - Poland – University of Warsaw
- Project to run over 3 years, commencing in late 2008
- Key deliverables
 - Mathematical modeling and simulation
 - Development of tailored structured devices
 - Device development and plant scale testing
 - Knowledge collection, analysis, and development of methodologies
 - Development of training tools and dissemination
 - Project website @ www.chemistryinnovation.co.uk/PILLS
 - Major dissemination events in mid-2010 and late 2011

FP7 PILLS Project – Dr. Patrick Löb, IMM