Chemistry Innovation

Driving Innovation and Value for the UK chemistry-using industries



Chemistry Innovation



Darren Ragheb

It's all in the mix...

RSC Formulation Science and Technology Group

University of Birmingham

21st March 2012

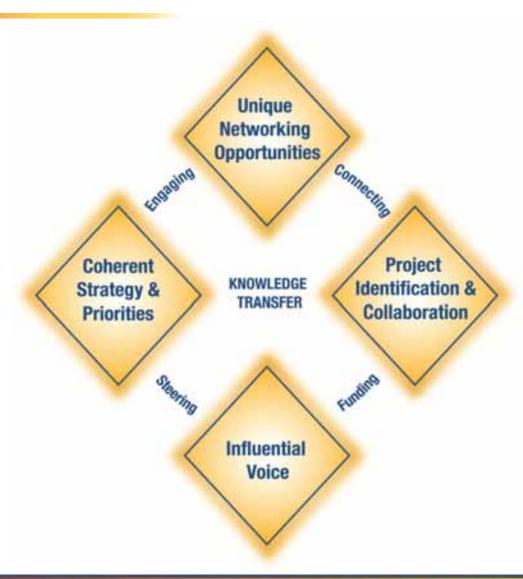




What we do

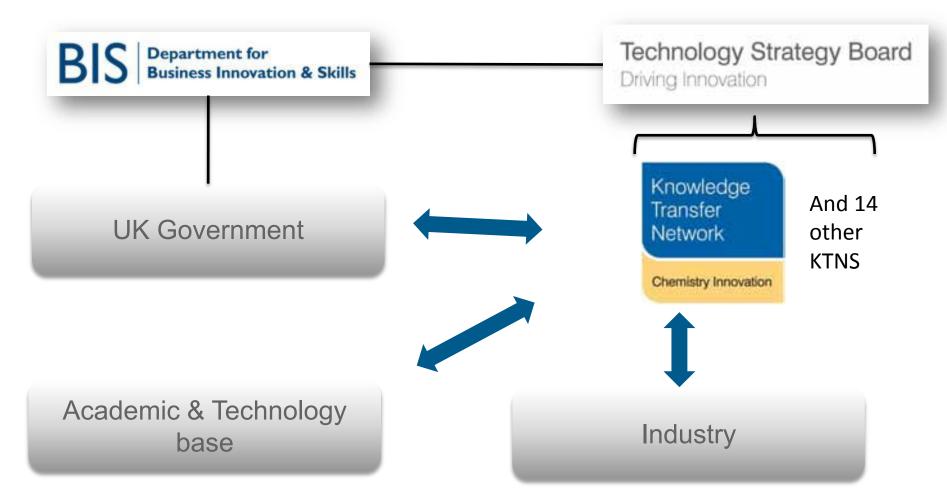
Mission

To stimulate & support
product and process
innovation
that will deliver
tangible value
for the UK
chemistry-using industries





Who we are. Where we're positioned

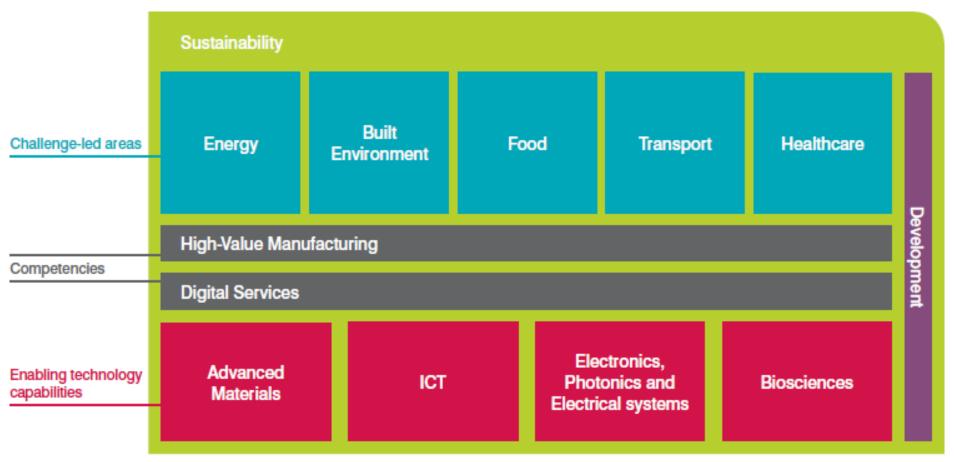




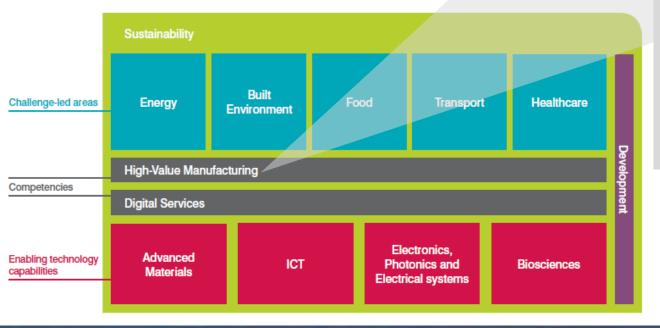
Technology Strategy Board - strategy

Concept to Commercialisation

A strategy for business innovation, 2011-15







High-Value Manufacturing

Maintaining or enhancing the international competitiveness of UK-based manufacturing industries, including aerospace, automotive, chemicals, pharmaceuticals and foods, through the development and application of innovative manufacturing technologies in product and process areas within and across sectors.



Sustainable Manufacturing for the Process Industry

- "Encourage the development and commercialisation of innovative approaches to sustainable manufacturing in the process industry"
- £5m total TSB funding; £1m EPSRC contribution likely
- Collaborative R&D (up to £4.6m) and Feasibility projects (up to £0.4m)
- Collaborative R&D projects business-led (and include an end user; one to three years; up to 50% public funding; max. total project size is ~£1m.
- Feasibility projects business-led (may be collaborative or led by single companies); six to nine months; up to 75% public funding; max. total project size is £100,000.

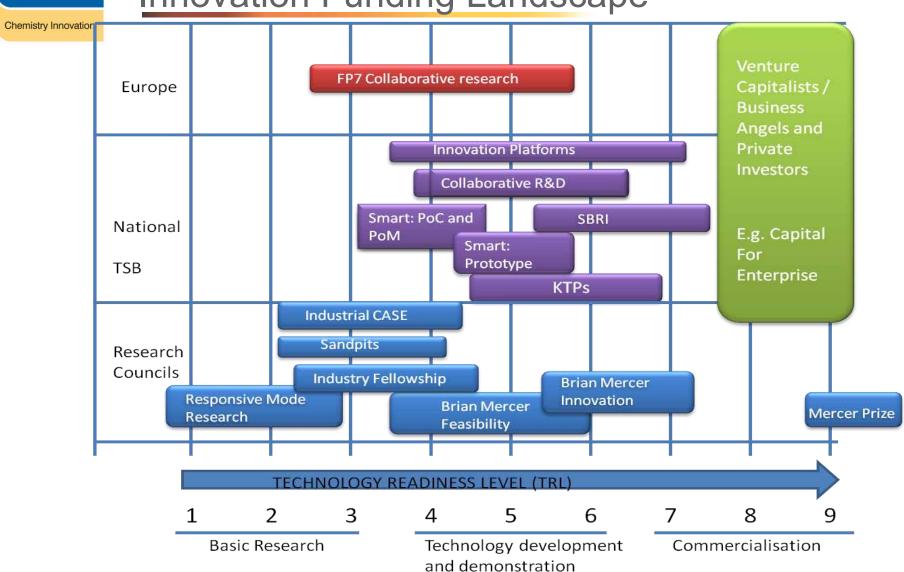


Scope

- Focuses on production technologies that, within a global marketplace, can create high value through novel processes, advanced product manufacture, resource efficient production techniques and facilitate greater environmental sustainability
- Example areas include, but not limited to:
 - Changing batch to continuous processes
 - Novel catalysis
 - Innovative heat management or input in process
 - Solvent-free reactions or use of novel solvents
 - Process measurement and analysis
- Upgrades/innovation in process steps on existing plants in scope
- Industrial Biotechnology out of scope

Knowledge Transfer Network

Innovation Funding Landscape





Key dates

- 27th Feb Competition opened
- 8th Mar TSB call briefing day (Manchester)
- 18th Apr Registration deadline
- 25th Apr Deadline (1)
 - For 1-stage feasibility funding (final application)
 - For 2-stage collaborative R&D (Expressions of interest)
- 4th July Deadline (2)
 - For 2-stage collaborative R&D (final application)



Support and next steps

Chemistry Innovation is the lead KTN supporting this call

- Fit to scope, partnering/consortia building, shaping proposal
 - Join the group <u>www.ciktn.co.uk</u>
 - Darren Ragheb 01928 511829 darren.ragheb@ciktn.co.uk
 - Janet Sanger 01928 513513 Janet.Sanger@ciktn.co.uk

TSB competition helpline

- Application queries about the competition (application forms, guidance documents and events)
 - 0300 321 4357 competitions@tsb.gov.uk