

Technology Strategy Board

Materials for Energy  
Strategic Research Agenda

Technology Strategy Board  
Perspective

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Chief Executive Officer



## TSB Vision

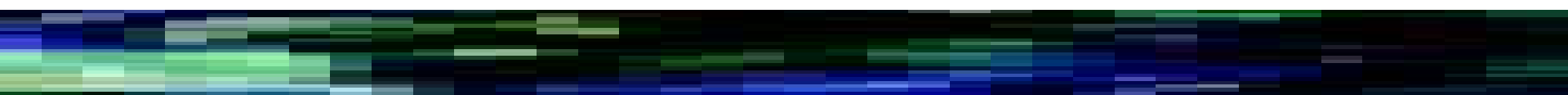
***‘For the UK to be seen as a global leader in innovation and a magnet for technology-intensive companies, where new technology is applied rapidly and effectively to create wealth’.***



## Objectives and Role of the TSB

- Promote and support research into, and development and exploitation of, science and technology for business benefit for economic growth and quality of life
  - Deliver a programme of financial support to encourage business investment in, and use of, technology across all sectors in UK
  - Provide leadership to Government Departments and Agencies and work with RDAs, DAs and the Research Councils on technological developments and innovation of importance to UK industry
  - Advise Government on areas where barriers exist to the exploitation of new technologies and put forward recommendations as to how they can be removed
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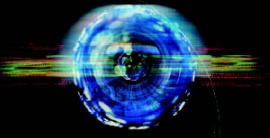
## Technology Strategy will be focused towards...

- Helping our leading sectors and businesses to remain prosperous in the face of global competition
  - Stimulating those sectors and businesses with the capacity to be among the best in the world to fulfil their potential
  - Ensuring that the emerging technologies of today become the growth sectors of tomorrow
  - Combining all these elements in such a way that the UK becomes a centre for investment by world-leading companies
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## The Technology Strategy

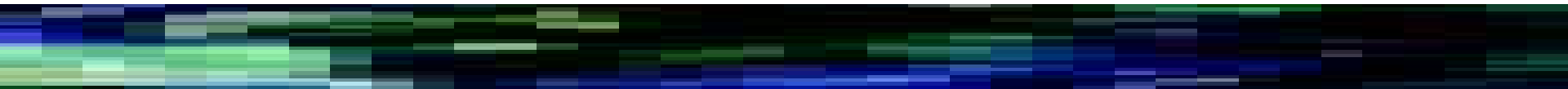
- Is truly cross Government
  - £320 m for DTI (3 years)
  - £35m from Defra (3 years)
  - £3m from Department for Transport
  - £26m from the Research Councils (3 years)
  - £30m from Regional Development Agencies and Devolved Administrations (Scotland, Wales and Northern Ireland)
  - MoD, Home Office, Department of Health, CLG, DCMS all actively engaged

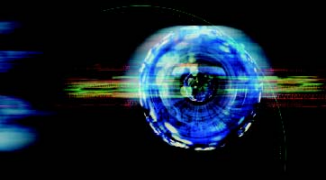




## Delivering focused value-for-money programmes

- Collaborative R&D (£130m pa)
- Knowledge Transfer Networks (£20m pa)
- Knowledge Transfer Partnerships (£18m pa)
- Emerging Technologies (£1m pa)
- Nanotechnology centres (£10m this year)





## With Defined Goals

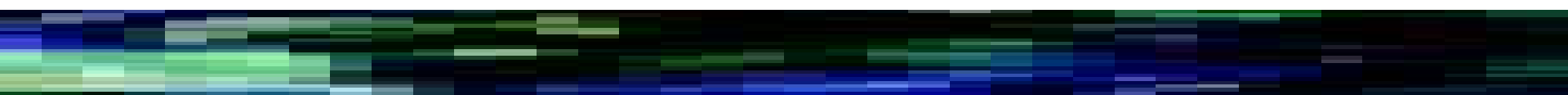
- Key Technology Areas
  - Underpinning Technologies
  - Application Areas
- Innovation Platforms
  - Answering societal needs using Government activity to drive industrial innovation
- Emerging Technologies
  - Nurturing the growth areas of tomorrow

## The TSB Criteria for Support

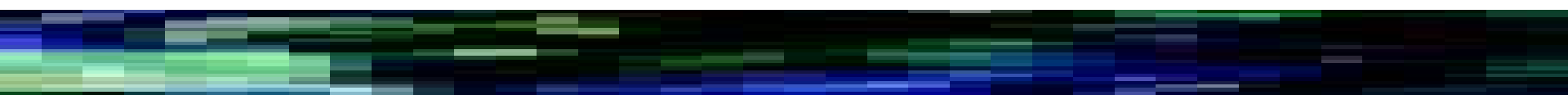
- UK Capacity to Develop and Exploit the Technology:
  - significant research capability/capacity to exploit opportunities,
- Potential for Impact and Timescale:
  - further research and innovation with significant impact in right timeframe,
  - competitive activity – key benchmark for right things at the right pace.
- The Size of the Global Market Opportunity:
  - create value added in UK, taking account of the global market potential.
- A Clear Technology Strategy Board Role:
  - add value identifying and addressing barriers, critical policy challenges, lever in other public funds, raise engagement, cross-government co-ordination - a clear basis for business to engage in the agenda.



## Materials UK and “Materials for Energy”

- This work arose from the Materials Innovation and Growth Team, which means that it started with the backing of industry
  - It continued after the IGT reported because the whole energy supply chain recognised its value
  - It used the network constructed by the Materials KTN
  - It provided an important input to our thinking in 2 areas for our recent competition
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## The Future

- This report is an important step in a long journey
  - The Strategic Research Agenda, the supporting Technical Reports and the other activities that have been carried out by the Materials UK Materials for Energy Working Group are the type of industrially based input the Technology Strategy Board needs to help it maximise its impact on wealth creation and the quality of life
  - We will continued to be involved as the programmes roll out
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# Technology Strategy Board

