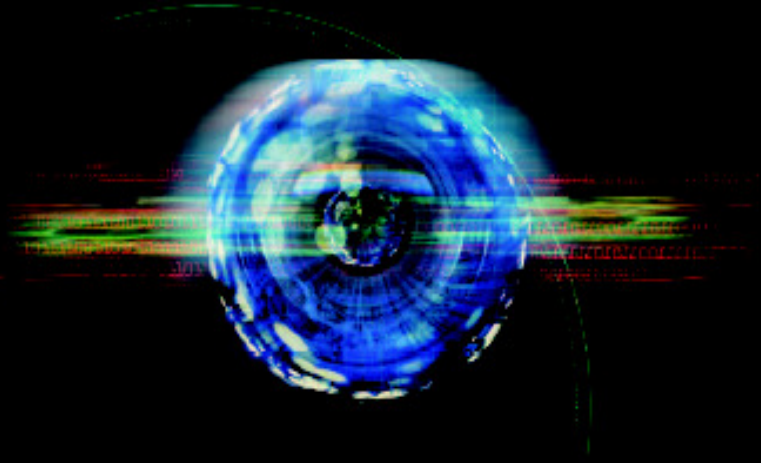


Technology Strategy Board

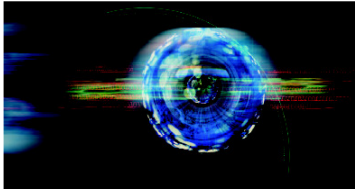


United Kingdom:
Knowledge Transfer
Networks

Peter Dirken

Workshop “National cluster initiatives in Europe
and their strategies for internationalisation”

21 February 2008, Berlin, Germany



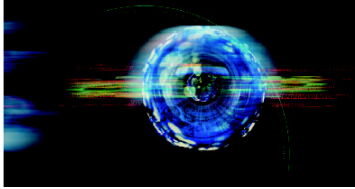
Content of my talk (11 slides)

1. Introduction to Technology Strategy Board
2. What are Knowledge Transfer Networks?
3. Knowledge Transfer Network goals
4. What this means in practice?
5. Future of Knowledge Transfer Network programme

1 The Technology Strategy Board

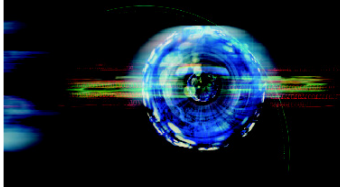
- Operational since July 2007
- Arms-length body
- Budget
 - £200m this year
 - £1 billion - 2008-2011
- Staff of 75 people (about 85% at present)
- Sponsored by the Department for Innovation, Universities and Skills (DIUS)
- Based in Swindon, Wiltshire





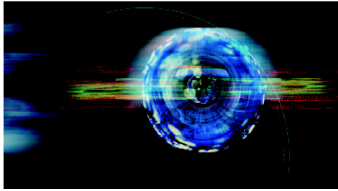
The Technology Strategy Board Mission

‘to promote and support research into, and development and exploitation of, science and technology and new ideas for the benefit of business, in order to increase sustainable economic growth and improve the quality of life’.



2 What is a Knowledge Transfer Network?

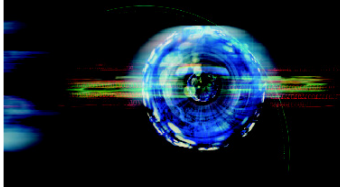
- A single over-arching **national** network in a specific field of technology or business application.
- Brings together a variety of organisations e.g. businesses, universities, research & technology organisations, finance community etc. to stimulate innovation
 - Groups of 5-10 people typically, ~200 people for the whole programme
 - Different organisational structures (Ltd. companies by guarantee, or run as projects by Research & Technology Organisations, such as National Physical Laboratory, The Welding Institute, a.o.)
 - Total KTN programme budget around £19M/annum
 - 3 Year grants, reviewed at mid-point and end of term
 - Small teams with strategic direction set by independent steering board with representatives. from business, academia
 - See www.ktnetworks.co.uk for more information



23 Existing Knowledge Transfer Networks

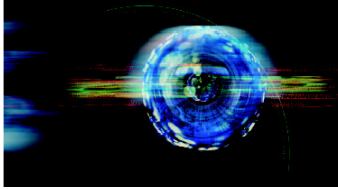
- Aerospace and Defence
- bioProcessUK
- Bioscience for Business
- Chemistry Innovation
- Cyber Security
- Electronics
- Electronics Enabled Products (will change soon to Integrated Products Manufacturing)
- Environmental (change from 'Integrated Pollution Management')
- Food Processing
- Grid Computing Now!
- Healthcare Technologies
- Industrial Mathematics
- Intelligent Transport Systems
- Location and Timing
- Low Carbon & Fuel Cell Technologies
- Materials
- Micro & Nano Technologies
- Modern Built Environment
- Photonics
- Resource Efficiency
- Sensors
- UK Displays and Lighting
- Digital Communications

•Creative Industries KTN 'under construction'



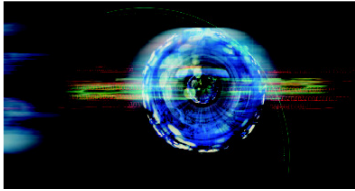
3 Knowledge Transfer Network Goals

- 1. to deliver improved industrial performance through innovation and new collaborations by driving the flow of people, knowledge and experience between business and the science-base, between businesses and across sectors**
2. to drive knowledge transfer between the supply and demand sides of technology-enabled markets through a high quality, easy to use service
3. to facilitate innovation and knowledge transfer by providing UK businesses with the opportunity to meet and network with individuals and organisations, in the UK and internationally
4. to provide a forum for a coherent business voice to inform government of its technology needs and about issues, such as regulation, which are enhancing or inhibiting innovation in the UK



4 What does this mean in practice?

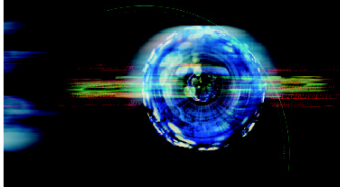
- KTNs help with making contacts with other companies (i.e. business/innovation opportunities) and universities (future market opportunities/emerging technologies, know-how),
- They bring together existing networks to become the single voice of the sector.
- They organise free events on topics relevant for a given sector.
- First point of call for and help/advice with
 - TSB funding programmes (CR&D, KTPs, IPs),
 - EU funding programmes (FP7, Eureka)
 - Information on regulation, future direction of technologies (road mapping)
- They provide free on-line conferencing and collaboration space,
- Some provide small grants to help knowledge transfer and solve a business problem (SPARK awards of £5K) and/or act as agents for industrial CASE awards



Technology Strategy Board

Key Success Measures

1. Membership
2. Events
3. Collaboration
4. Finance raised



5 Knowledge Transfer Network Strategy 2008

- The Technology Strategy Board became operational on 1st July 2007
- An overarching strategy is due at the end of March 2008
- In parallel, a strategy for KTNs is being developed
- International dimension:
 - Recognition that companies operate in a global market
 - Currently some KTNs are being asked by UK Trade & Investment (UKTI) to participate in overseas missions, although they are not resourced to do so!
 - In future we envisage close co-operation with UKTI, Foreign & Commonwealth Office (FCO) - Science and Innovation Network
 - We are keen to understand other nations' networks and are open for discussions for collaboration and co-operation – hence today's workshop!

Technology Strategy Board

Knowledge Transfer Networks

Questions/Comments?

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