

Technology Strategy Board

Driving Innovation

Design & Decision Tools for Low Impact Buildings

.....a £4million competition for funding support

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Technology Strategy Board

Driving Innovation

The Technology Strategy Board is...

**A national body supporting business
innovation**

for business benefit

for economic growth

for quality of life

**Focused on business innovation
and the application of technology**

.... £1 billion over 3 years



So, what is the Technology Strategy Board?

Simply put, we are concerned with supporting business innovation, enabled by technology, to produce business benefit, economic growth and quality of life.

Challenge-led innovation

Innovation platforms

- Assisted living
- Intelligent transport systems and services
- Low carbon vehicles
- **Low impact buildings**
- Network security
- Detection and Identification of Infectious Agents



Challenge led innovation means that instead of starting with science and wondering how to apply it, we start with the great challenges that society faces, and look for the science, the technology and indeed the creativity that might address them and the competitive challenge of maintaining world leading business and sectors in the UK.

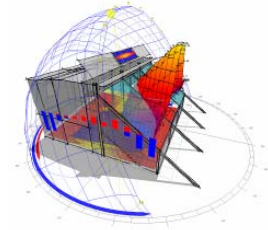
We plan for 50% of our resources to be directed at supporting challenge-led innovation

We are doing this in several broad areas, listed here, where we have and must maintain a world-leading position.

We call these key application areas and for each of these we will have specific strategies to address their particular needs.

I don't have time to go through all of them in detail, but by way of illustration, in a few minutes I'm going to ask Derek Allen and Filomena La Porta from my team to outline for you our energy transmission and supply strategy, which includes investment of up to #20 million annually in the Energy Technologies Institute

And Sian Brereton and John Cass will be announcing for the first time some of our initiatives in the creative industries sector.



Design & Decision Tools

- Tools and approaches for a dramatic improvement in the design of zero carbon and low impact buildings
- £4m Technology Strategy Board funding
- 50% match funding required – therefore total funding approx. £8m
- Follows standard Technology Strategy Board process for collaborative call
 - Competitive process
 - Projects must have at least two partners – at least one company
 - Lead partner must be a company
- Information events March- June
- Details published on web (TSB and MBE KTN) and brochure

Background

- 80% reduction in carbon emissions by 2050
- Buildings account for 45% of total UK carbon emissions
- We need tools that will enable a dramatic improvement in the design of predictably zero carbon and low impact buildings



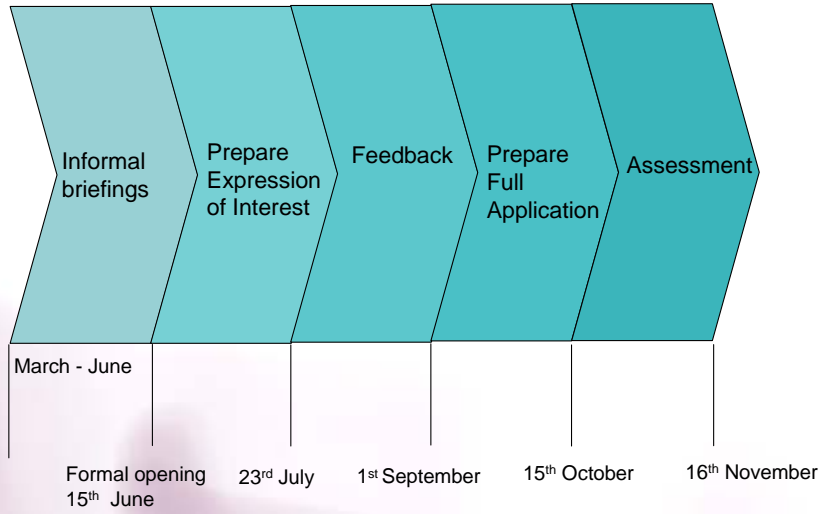
Challenges

- Dramatically better design and decision guidance at every stage – from briefing through whole life cycle
- Better integration / interaction across disciplines and with non-specialists
Feedback of impact of design decisions on carbon, cost and other relevant factors
- Better accessibility to high quality design tools, especially for smaller practices.
- Tools that enable learning from successive designs



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Timeline for Design & Decision Tools Competition

Technology Strategy Board

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Consortium building event - 19th May - London

Insite09 – 2nd June – Watford

.....more info and register at www.mbektn.co.uk

