

Technology Strategy Board

Driving Innovation

A View from the Technology Strategy Board

Iain Gray, CEO, Technology Strategy Board

APGTF workshop, 12 February 2009



Scope

- Who we are, what we do and how we do it
- Focus on Energy
- Carbon Abatement Technologies



What is the Technology Strategy Board?

- A national body set up to invest in business innovation
- Working across business, universities and government
 -and anyone else who can help
- Drawn from business (and the public sector)
 - 75 people with over 600 years of business experience
- Responsible for investing £1bn over the next 3 years



We support the full range of business

- We help **strengthen** the global competitive position of our leading businesses
- We identify and **grow** sectors and businesses with the capacity to become the best in the world
- We **nurture** the businesses that can succeed in the growth sectors of tomorrow



How we deliver

Technology Strategy Board
Driving Innovation

Connect and **Catalyse**

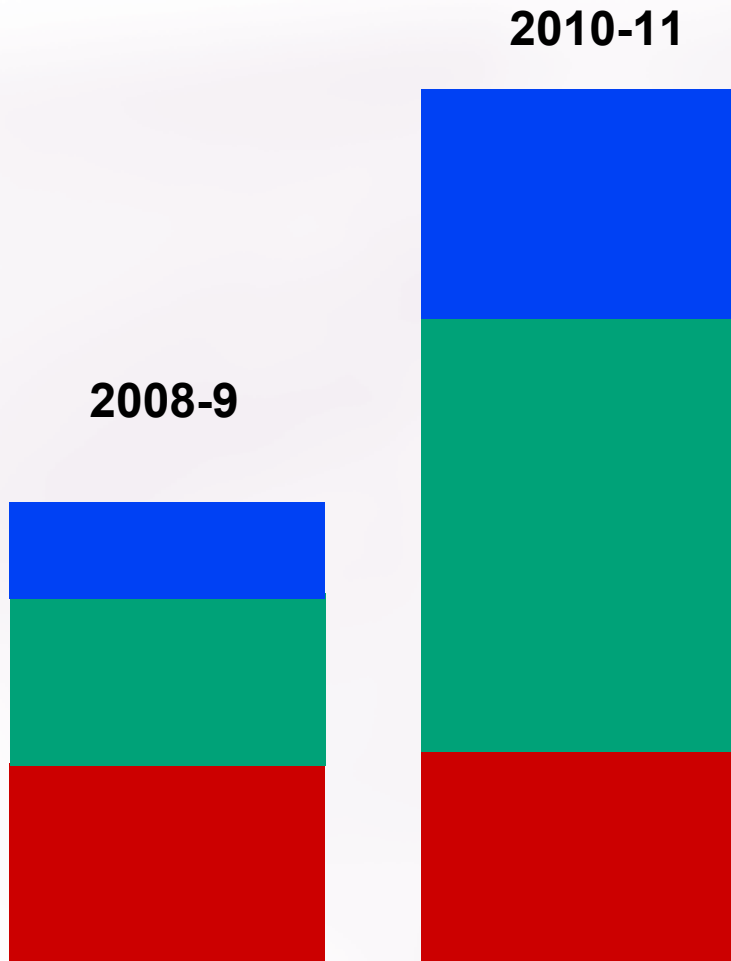
A strategy for business innovation

2008-2011

Technology Strategy Board

Driving Innovation

**£1 billion investment
over 3 years**



The innovation climate

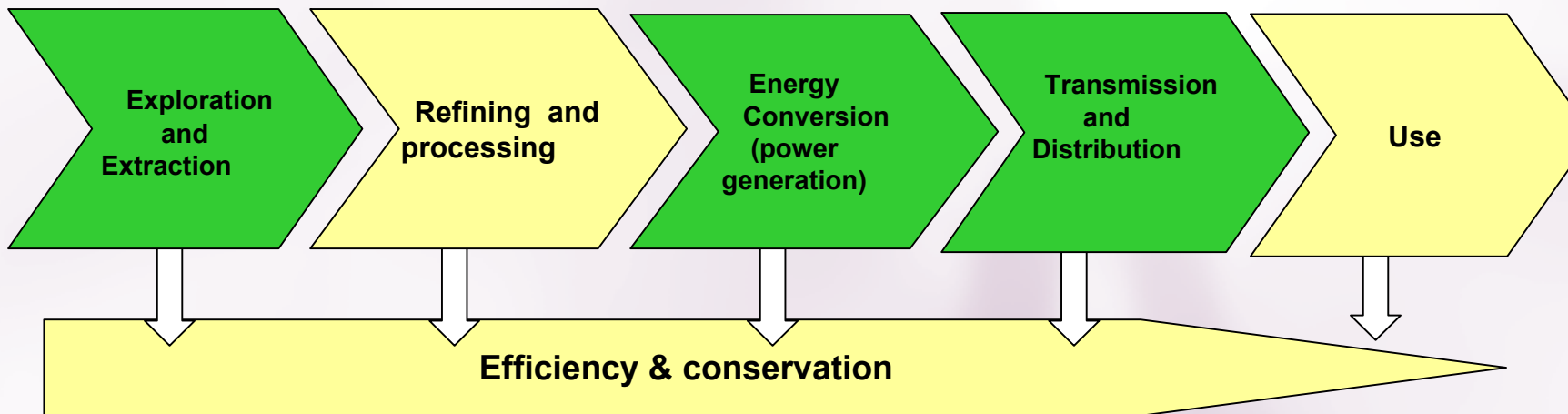
Challenge-led innovation

**Technology-inspired
innovation**

Focus on Energy

Technology Areas

- Advanced Materials
- Electronics, photonics and power systems
- High Value Manufacturing
- Bioscience
- ICT



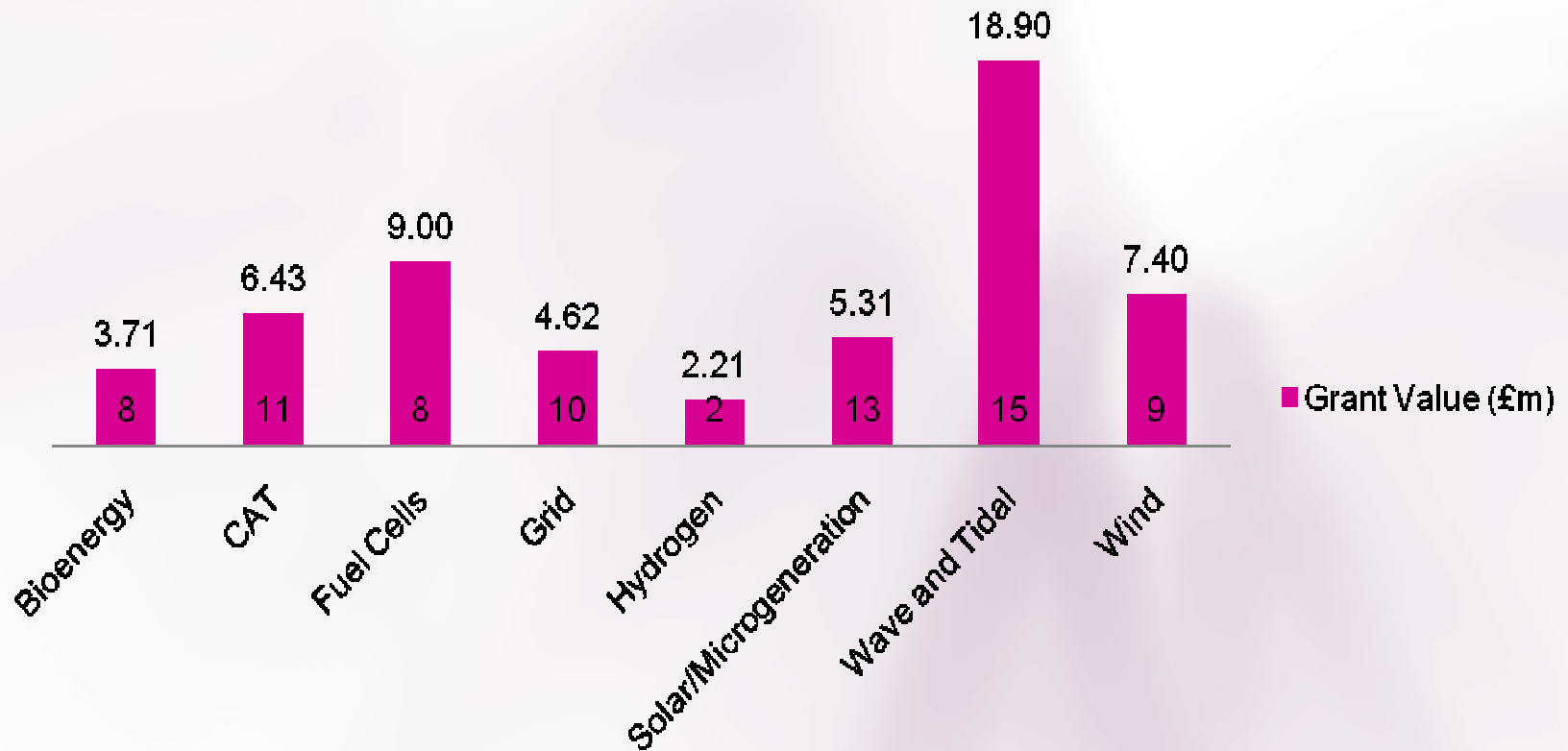
Application Areas

- **Energy generation and supply**
- Environmental sustainability

Innovation Platforms

- Low carbon vehicles
- Low impact buildings

A portfolio of 76 projects for a total value of £140m



Examples from our current portfolio

✓ Development of oxyfuel firing technology

(Doosan Babcock, Air Products, E.ON UK, RWE npower, BP, University of Nottingham, Imperial College)

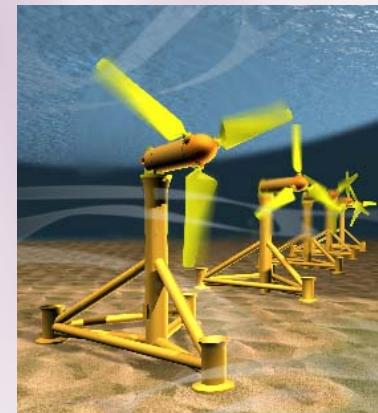


✓ Developing fuel cell engines for automotive transport

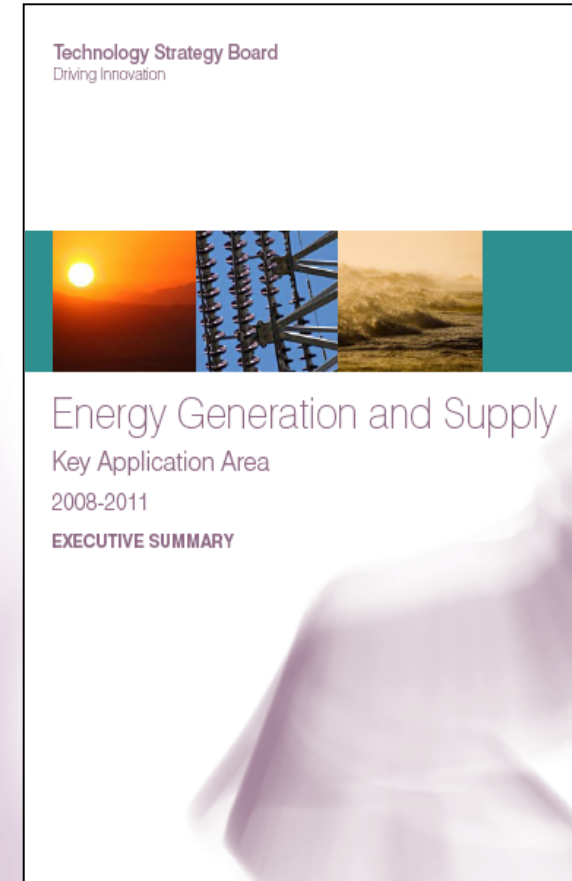
(Intelligent Energy, Prodrive, Bosch and PSA Peugeot Citroën)

✓ Developing marine devices for renewable energy generation

(Tidal Generation, Rolls-Royce, Garrad Hassan, SLP)



- **Energy Generation and Supply**
 - **Directly support carbon abatement, fuel cells, hydrogen and oil and gas technologies.**
 - *Support offshore wind, wave and tidal technologies through ETI, ensuring that UK businesses are well positioned.*
 - **Analysis of UK capacity and added value in bioenergy, intelligent grid and nuclear.**
 - *Work with other KTAs and Innovation Platforms (microgeneration, biofuels).*
 - **Support knowledge transfer through people and network co-ordination activities.**
- Low impact buildings
- Low carbon vehicles
- Strategies in KAA and KTA



Carbon Abatement Technologies

...partnership is the key

- We have been working closely with APGTF to identify R&D priorities and to understand user-driven needs for knowledge transfer
- We are working closely with Carbon Trust, Research Councils, ETI and the Energy Research Partnership
- We are working closely with DECC and RDAs (incl. Northern Way)



June 2009: up to £15m for new competition in Carbon Abatement Technologies

:-in partnership with the Department of Energy and Climate Change's Environmental Transformation Fund and the Northern Way

**Moving Forward:
The Northern Way**

one
NORTH EAST



Northwest
REGIONAL DEVELOPMENT AGENCY



**Department of Energy
and Climate Change**

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