

# New Energy Technologies -R&D Opportunities in the UK

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# UK Renewable Energy Opportunities

**Long term vision**  
**Supportive policy framework**  
**Financial and Fiscal Support**

**Rapidly growing market**

**World leading research capability**  
**Supportive collaborative research environment.**

**Companies with developed technology, expertise or operating experience**

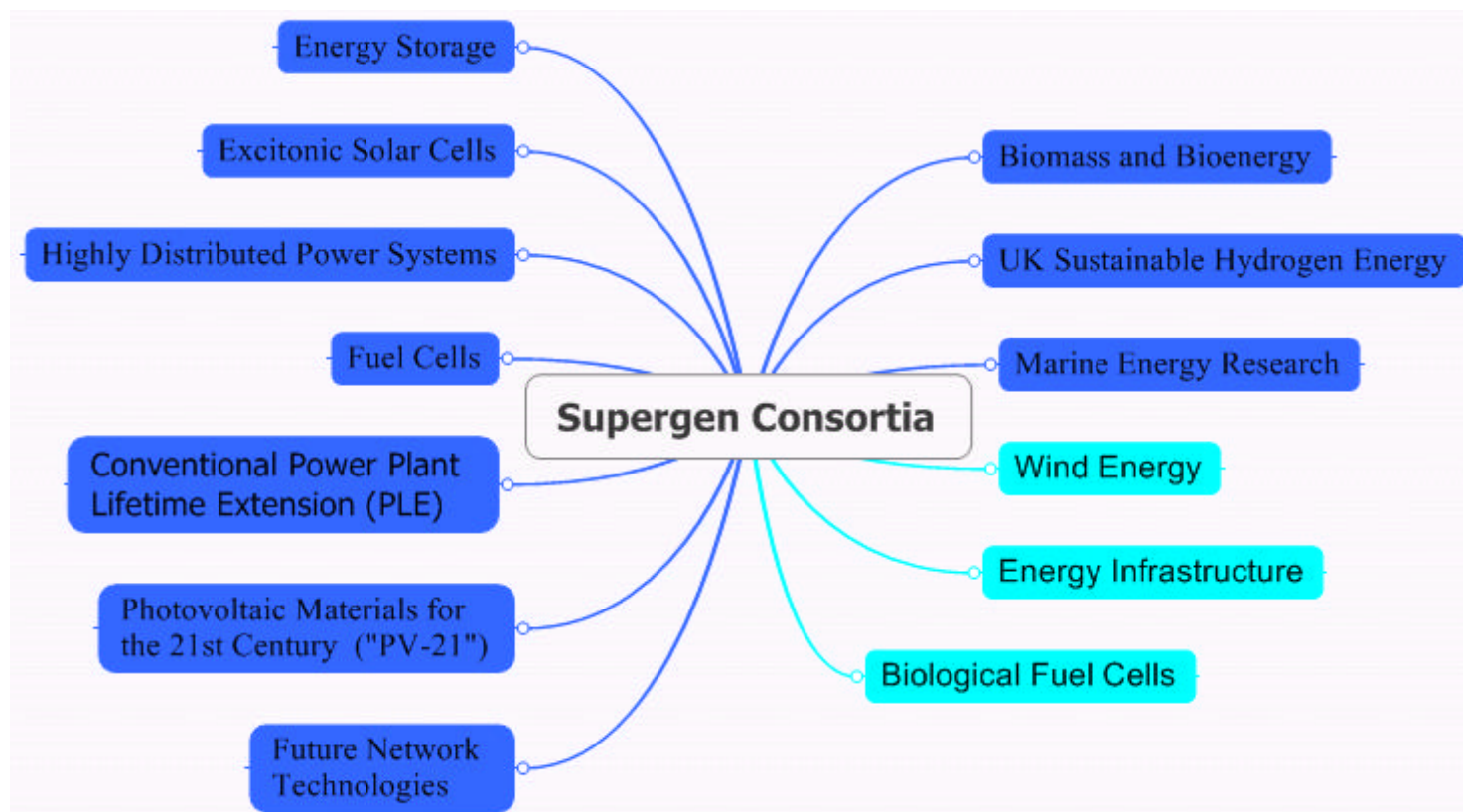
**Companies developing new technology.**

# R&D Opportunities

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- Research funding rising rapidly
- Interlinking support schemes
- University Research – Supergen
- Technology Strategy Board
- Carbon Trust
- Energy Technology Institute

- Funded by Engineering and Physical Science Research Council
- Consortium Approach (University and Industry partners)



- Independent body to manage innovation
- Overall budget ~£1000M in 3 years
- Newly published strategy
- Key challenges include
  - Energy Generation and Supply
  - Transport
  - Environmental sustainability
  - Built environment

# TSB Energy - Priorities

- **Fund R&D**
  - CAT's for fossil fuel plants
  - fuel cells
  - H<sub>2</sub>
  - oil and gas recovery
- **Invest with ETI/CT**
  - offshore wind and marine
  - **Collaborate on**
  - biofuels, microgeneration, underpinning technologies
- **Review**
  - bioenergy, grid management, nuclear

- Carbon Vision
- Directed Research
  - PV
  - Biofuels
    - Pyrolysis
    - Algae
    - Advanced fuels
- Technology Accelerator Projects
  - Biomass Heat
  - Marine
  - Low C Buildings
  - Micro CHP
  - Advanced metering

- 10 Year Programme £1100M private/public partnership
- Initial Industry Partners – Shell, BP, EON, EdF, Rolls Royce, Caterpillar
- Seeking up to 10 major industrial sponsors to inject funds and define priorities
- Also scope for partnership (at lower funding levels) on specific areas or topics
- To be centred at Loughborough University

- Marine (with CT)
- Off shore wind
- Distributed generation

- Partnership with Supergen consortia
- Project specific partnership
- Strategic partnership with EPSRC on research area
- Carbon Trust Initiatives
- Participation in Energy Research Institute as major sponsor or partner

*Hit the world running* UK

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