



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.

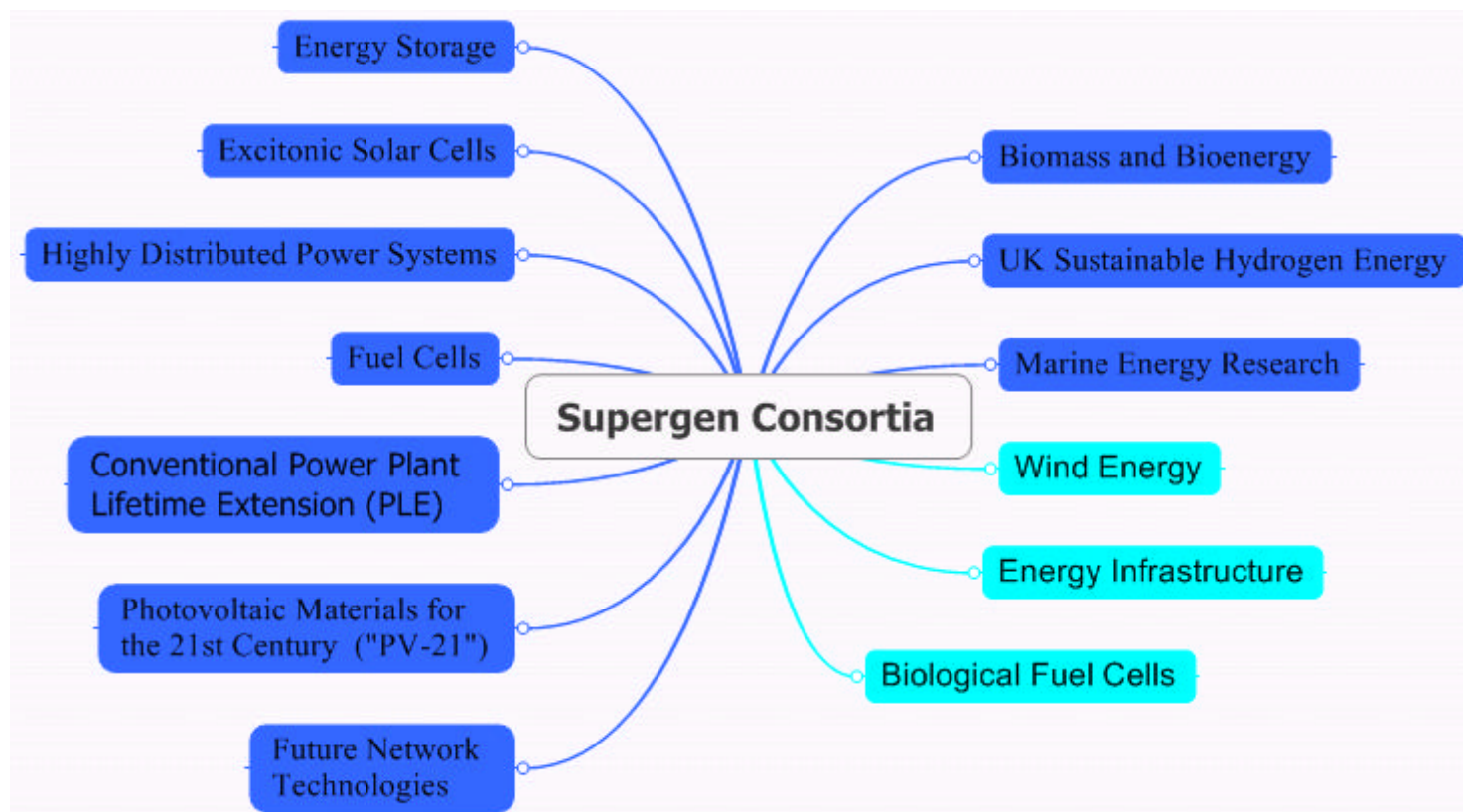
Companies with developed technology, expertise or operating experience

Companies developing new technology.

R&D Opportunities

- 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
 - H₂
 - 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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