

Innovate UK – Energy Innovation Funding

Michael Priestnall, Lead Technologist, Energy
BIEE, Oxford, 22nd September 2016

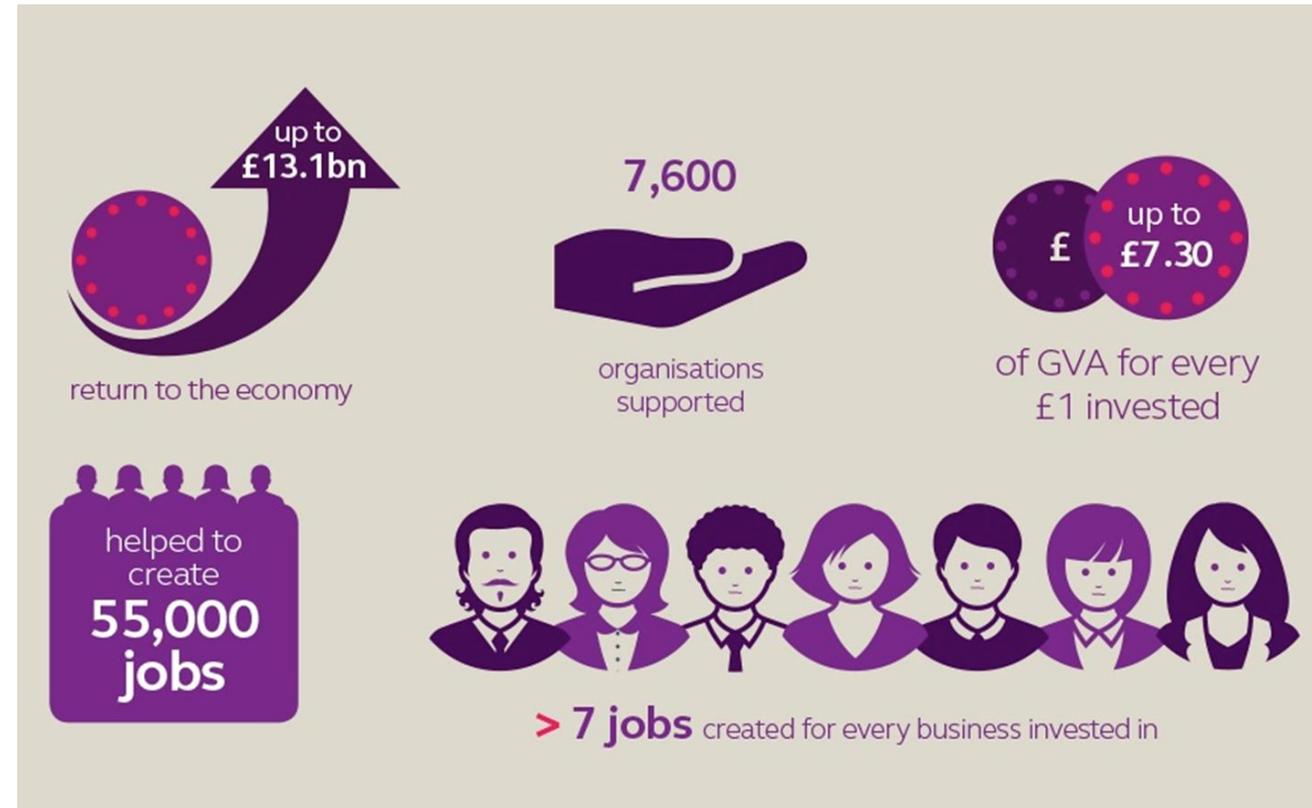
Innovate UK

The UK's innovation agency

We know that true innovation disrupts. It will create new products, services and industries that we don't even know about yet.

It's our vision to help the UK economy grow head and shoulders above other nations by inspiring and supporting pioneering UK businesses to create the industries of the future.

We already have a strong track record of driving growth, by working with companies to de-risk, enable and support innovation.

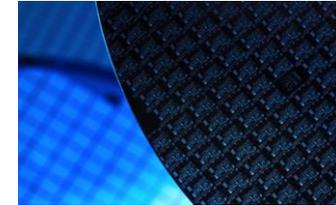


Sector focus to accelerate growth

Emerging and Enabling Technologies

Identifying and investing in technologies and capabilities that will lead to the new products, processes and services of tomorrow

- Earth Observation
- Internet of Things
- Data
- Cyber Security
- User Experience (strategy)
- Emerging Tech & Industries
- Robotics & AS
- Electronics, Sensors and Photonics
- Design (strategy)
- Creative Economy (strategy)



Health and Life Sciences

Focused on agriculture and food and healthcare, underpinned by bioscience and medical research and enabled by engineering and physical sciences

- Advanced Therapies
- Precision Medicine
- Medicines Technology
- Bioscience
- Agri Productivity
- Enhanced Food Quality



Infrastructure Systems

Optimising transport and **energy systems** and integrating them with other systems such as health and digital

- Connected Transport
- Urban Living
- Infrastructure
- **Energy Systems**
- **Nuclear**
- **Offshore Renewable Energy**



Manufacturing and Materials

Advancing manufacturing readiness so R&D and technology developments increase productivity and capture value in the UK

- Digital Manufacturing
- Early Stage Manufacturing
- Manufacturing Readiness
- Resource efficiency
- **Advanced Materials**

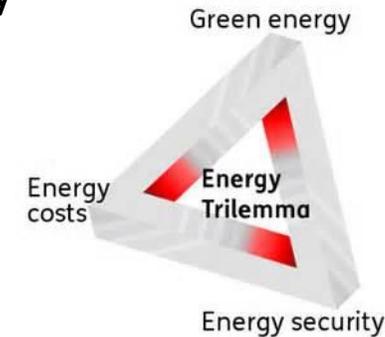


+Open Sector

Each sector runs two competitions per year

The Energy Catalyst (funding competition)

- Broad scope: <Costs *and* <Emissions *and* >Security of supply
- Co-funded (variously) by Innovate UK, EPSRC, DFID & DECC
- “Continuously open” programme:
 - Round 1 £25m March’14 – Nov’14 (205 applied; 40 funded)
 - Round 2: £14m Nov’14 – April’15 (225 applied; 32 funded)
 - Round 3: £20m, April’15 – Nov’15 (223 applied; 62 funded)
 - **Round 4: £19m, April’16 – Sep’16 (288 applied; results Nov)**
 - **up to £6m DFID + £3m EPSRC (to academic partners) + £10m Innovate UK**
 - Round 5: to be announced, likely December’16
- Staged support for commercialisation of innovative energy technologies:
 - Early Stage Tech Feasibility, <1yr, <£300k academic or SME led, >50% industry
 - Mid stage CR&D, <3yrs, <£1.5m, >70% industry-led
 - Late stage CR&D, <3yrs, <£10m, >70% industry-led
- Standard Innovate UK 10-question application form & assessment
- Independent Advisory Board (scope, objectives, process, delivery)



objective: “Commercialising the best in UK energy research & innovation”

Rounds 1-3 – £56m of grants awarded to 134 projects involving 300 organisations

Scope: The Energy Trilemma: *all 3 aspects*

security of supply

+

affordability

+

emissions



=

...global opportunities

Technology Areas (20 sub-categories):

- Carbon Abatement
- Renewable Energy
- Nuclear Fission
- Hydrogen & Fuel Cells
- Energy networks & System Integration
- Demand Side technologies
- Enabling Technologies & Processes
- Other (any)

the Energy Trilemma issue is rapidly disrupting global energy systems & markets
– creates business opportunities in UK & around world for UK organisations

SCOPE: “Does the project address energy *emissions and cost and resilience?*”

All our funding competitions are listed at:

<https://www.gov.uk/government/collections/innovation-grants-for-business-apply-for-funding>

Contact our Customer Support Service :

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