



Innovate UK's support for innovation

Dr. Rick Holland

Regional manager, North West England

Innovate UK

Innovate UK is part of
UK Research and Innovation

The UK's innovation agency

Innovate UK drives productivity and economic growth by supporting businesses to develop new ideas.

- We connect businesses to the people that can help them, and fund businesses and research collaborations in all economic sectors, value chains and UK regions to accelerate innovation.
- We sit at the heart of delivering government's Industrial Strategy and target of UK R&D expenditure reaching 2.4% of GDP

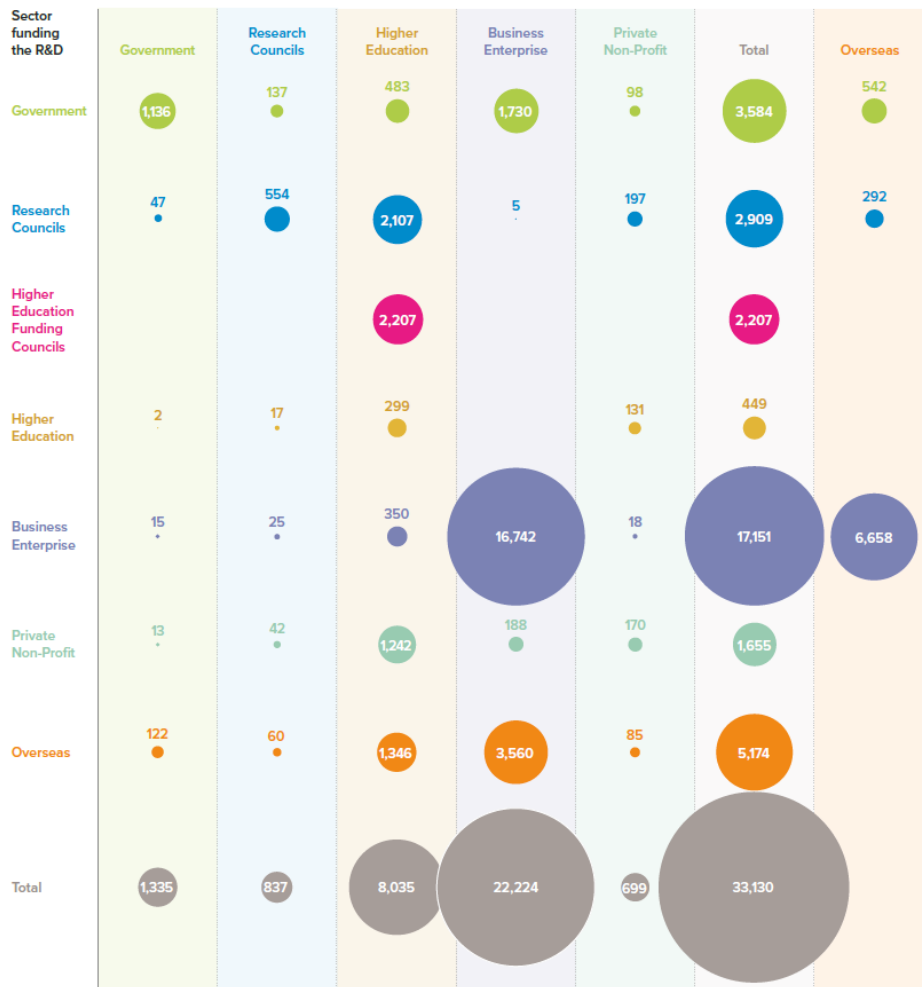
Benefiting everyone through knowledge, talent and ideas.

UK Research and Innovation brings together the 7 Research Councils, Innovate UK and Research England.

As part of UK Research and Innovation, Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas including those from the UK's world-class research base.



Sector performing the R&D (£million)



Innovate UK

THE
ROYAL
SOCIETY

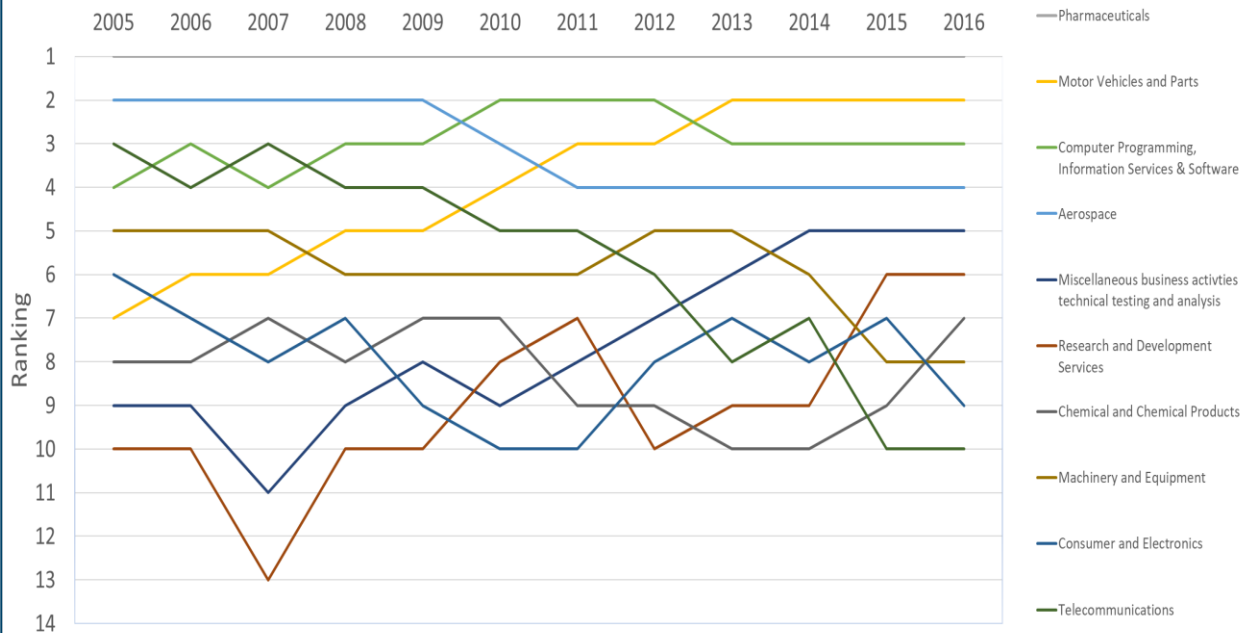
BRITISH
ACADEMY
for the humanities and social sciences

ROYAL
ACADEMY OF
ENGINEERING

The Academy of
Medical Sciences

<https://royalsociety.org/topics-policy/projects/investing-in-uk-research-development/>

Expenditure by UK Businesses on R&D by largest product groups



Sector	Value 2016 (£ millions)
Pharmaceuticals	4,122
Motor vehicles and parts	3,370
Computer programming, information services & software development	3,269
Aerospace	1,905
Miscellaneous business activities; Technical testing and analysis	1,287
Research and development services	1,022
Chemicals and chemical products	1,020
Machinery and equipment	912
Consumer electronics and communication equipment	837
Telecommunications	797

Life Sciences Sector Deal



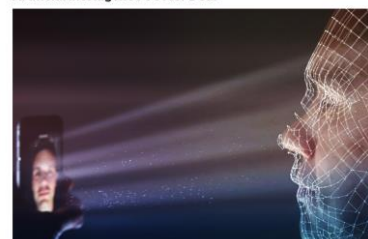
Automotive Sector Deal



Creative Industries Sector Deal



Artificial Intelligence Sector Deal



Aerospace Sector Deal



Industrial Strategy Challenge Fund: Grand Challenges



Ageing society

Harnessing the power of innovation to help meet the needs of an ageing society



AI and data economy

Putting the UK at the forefront of the artificial intelligence and data revolution



Future of mobility

Becoming a world leader in shaping the future of mobility



Clean growth

Maximising the advantages for UK industry from the global shift to clean growth

Industrial Strategy Challenge Fund challenges



Ageing society

Medicines manufacturing technologies

Data to early diagnosis and precision medicine

Healthy ageing

Accelerating detection of disease



AI and Data Economy

Audience of the future
Next generation services

Manufacturing Made Smarter

Digital security by design
Commercialising quantum technologies



Future of mobility

Faraday Battery Challenge
Manufacturing and materials of the future

Robots for a safer world
Driving the electric revolution
Future of flight



Clean growth

Energy revolution
Transforming construction
Transforming food production
Smart sustainable plastic packaging
Decarbonising clusters
Transforming foundational industries

Success stories:

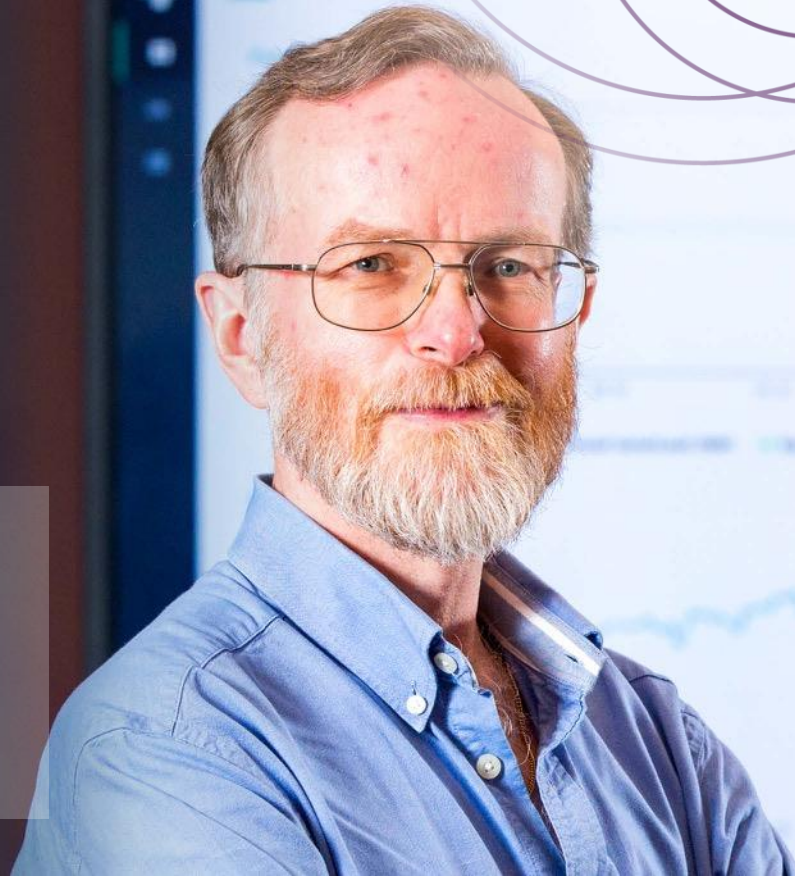
Smart-grid tech by **Upside Energy**

- tech connects energy-storing devices
- makes it easier to generate green power consistently, reducing pressure on National Grid
- Innovate UK has supported Upside Energy from start-up
- grant funding allowed firm to hire first member of staff

“A year ago we raised our first equity round, but without Innovate UK funding before that we would have never got to the point of getting investors.”

Graham Oakes, CEO and founder, Upside Energy

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Knowledge Transfer Network (KTN)

Find markets.
Find solutions.
Find funding.

KTN is a network partner of Innovate UK. It helps businesses get the best out of creativity, ideas and the latest discoveries to strengthen the UK economy and improve people's lives.

KTN links new ideas and opportunities from all sectors with expertise, markets and finance through a network of businesses, universities, funders and investors.

Innovate UK
Knowledge Transfer Network



KTN supported clean-tech company FeTu

Knowledge Transfer Partnerships (KTP)

Innovate UK

- KTPs help UK businesses innovate and grow by linking them with an academic or research organisation and a graduate
- a KTP enables a business to bring in new skills and academic thinking
- the academic or research organisation partner will help to recruit a suitable graduate
- schemes last between 12 and 36 months

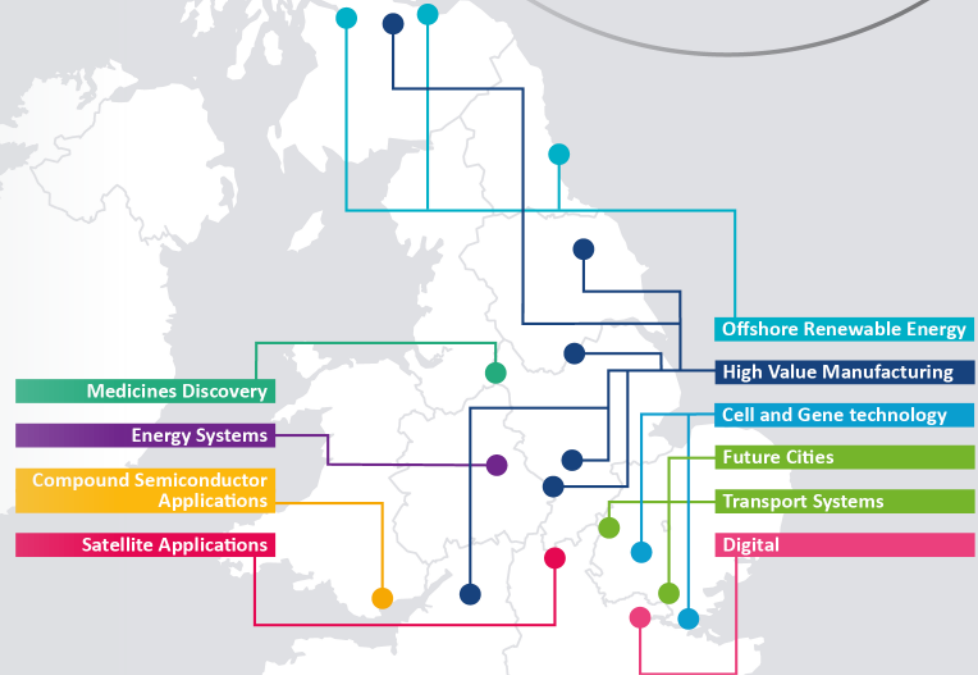


KTP partners Professor Udo Kruschwitz, Dr Miguel Martinez-Alvarez and David Benigson

Catapult centres

Fostering innovation to drive economic growth

- established and overseen by Innovate UK
- part of a network of technology and innovation centres
- bridge the gap between businesses, academia, research and government
- transforming the UK's ability to create new products and services
- ensure global opportunities for the UK and sustained economic growth for the future



Enterprise Europe Network

For growing, innovative businesses

Innovate UK

Enterprise Europe Network is part of Innovate UK's connecting network. It helps growing businesses to:

- manage innovation, commercialise great ideas and grow
- access long-term finance from the public and private sectors
- connect to a network of advisors spanning more than 60 countries
- connect to partners to develop products or services
- expand into new countries with help from local experts



Global Business Innovation Programme

Innovate UK

To grow and scale up successfully, UK companies need to access knowledge and develop new partnerships globally. We are expanding our support available to businesses through:

- UKRI international fund, worth approximately £110 million over 3 years
- funding 8 global expert missions in priority countries and 12 global business accelerators, which will help over 180 UK businesses explore global opportunities
- continuing to deliver our Newton Fund programmes with £18 million investment in 2018-19, and £10 million in 2019-20
- continuing to promote involvement in Horizon 2020 through National Contact Points, Enterprise Europe network, the Knowledge Transfer Network and Innovate UK's Brussels Office

UK engagement in Horizon 2020

Rank	Country	HEIs	Private (SME)	ROs	Public	Total
1	Germany	€1.9bn	€1.6bn (639m)	€2bn	€90m	€5.63bn
2	UK	€3.4bn	€0.98bn (576m)	€0.3bn	€241m	€5.1bn
3	France	€0.6bn	€1.3bn (505m)	€1.8bn	€104m	€3.87bn
4	Spain	€0.7bn	€1.15bn (657m)	€1.1bn	€167m	€3.19bn
5	Italy	€0.9bn	€1.1bn (524m)	€0.8bn	€100m	€2.93bn

- UK industry consistently engaged across all industrially relevant areas
- ~2000 unique businesses engaged in programme, mostly SMEs
- Funding for UK SMEs via H2020 ca. €150m pa

Implementing Underwrite

Innovate UK

- **If no agreement:** UK Government Underwrite (August 2016) payments of successful grants through to the end of Horizon 2020. Extension of Underwrite (June 2018) means you can apply to and participate in all calls open to third country participants from the date of exit
- UKRI will deliver on behalf of HMG
- **If you have a live H2020 grant, we need your details registered on the UKRI portal**
<https://apply-for-innovation-funding.service.gov.uk/eu-grant/overview>
- 10 minutes for info on the grant you hold and a relevant contact (normally the 'LEAR')
- Used to keep you up to date on next steps
- In meantime, keep applying – our support via NCPs, EEN, KTN and Brussels office continues!

Thank you

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