

UKRI-Innovate UK

Lien Ngo
Innovation Lead– Advanced materials

Lien.Ngo@innovateuk.ukri.org

Innovate UK

Innovate UK is part of
UK Research and Innovation

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.



The numbers




Innovate UK

- **Over £6 billion** in combined budget per year
- **3,900** research and business grants issued every year
- **2,400** business-led collaborative projects and **over 200** Knowledge Transfer Partnerships
- **151** universities receiving research funding
- **38** institutes, laboratories, units, campuses and innovation catapults
- Government has committed an additional **£7 billion** of public money to research and development by 2021/22.
- Unprecedented increase in spend on R&D over the coming decade (1.7→2.4% of GDP)


The UK's innovation agency

- we are at the heart of delivering government's Industrial Strategy and target of UK R&D expenditure reaching 2.4% of GDP
- we act as a transformative agent for change in the UK economy by accelerating productivity and driving disruptive innovation
- we support innovation, from spin-outs and start-ups to companies with the ambition to scale and grow in the UK and through global markets
- we help companies of all sizes in all sectors access the research, partners, investors and markets they need to innovate and grow

Investment of
£2.5bn
since 2007



Industry match
funding taking
the total value of
projects above



£4.3bn

Up to
£18bn



in added value
to the economy

Up to
£6-7

for every
£1 we've
invested



We've funded around
11,000
projects



8,500
unique
organisations
involved



9 jobs
for each
organisation
involved

70,000
jobs created in total



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

SMART funding

For businesses in any sector

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- enables businesses to apply for grant funding regardless of technical or industrial area of focus
- Must include SMEs, UK based companies, RTO or company led
- £25 million funding
 - Projects £25k-£3m
 - 6-36 months
 - Deadline 24th July

Paul Holt, founder, Photocentric

Innovation loans

For businesses on the edge of greatness

We are running a pilot programme of loan competitions until the end of 2019. The programme aims to ensure that businesses can access funding at all stages of innovation.

Innovate UK

Up to £50 million available for business innovation projects near to market

Offered through competitions to UK SMEs that want to scale up by developing new services

Can be used for late-stage R&D projects not yet at the point of commercialisation

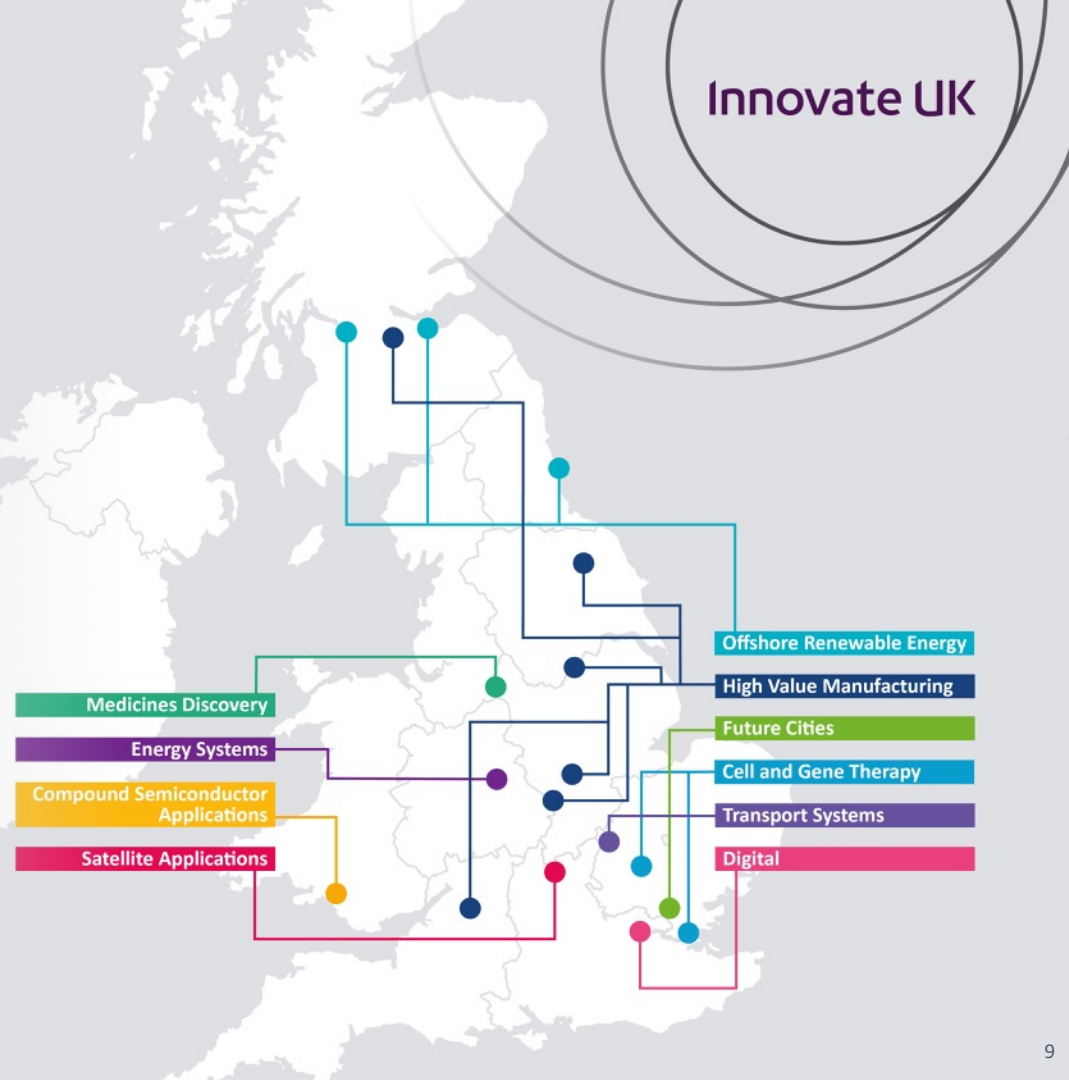
Delivered by Innovate UK Loans Ltd, a wholly-owned subsidiary of Innovate UK



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



Innovate UK

High Value Manufacturing Catapult

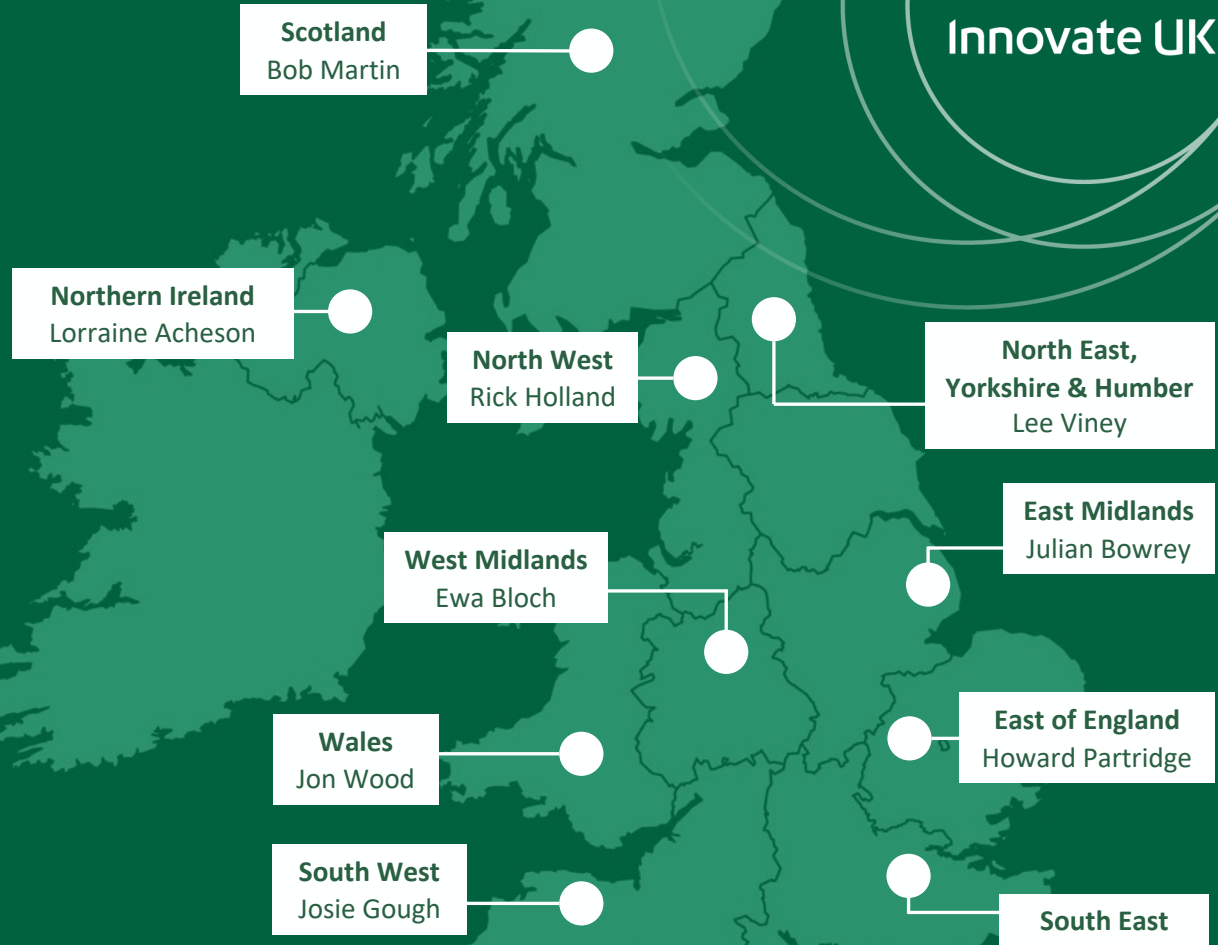
The go-to place for manufacturing
technology innovation in the UK.

- 7 centres working with industry, academia and government
- bringing the best research to market
- access to industrial-scale facilities and engineers, scientists and technicians
- help with manufacturing capabilities: raw materials, product development, optimisation and automation



Place is key to innovation.

Innovate UK funding supports businesses working across the UK. Our regional managers work closely with stakeholders in every region and nation.



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



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

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

Industrial Strategy Challenge Fund: Wave 1 and 2 challenges



Ageing society

Medicines manufacturing technologies

Data to early diagnosis and precision medicine

Healthy ageing



AI and data economy

Satellites and space technology

Audience of the future

Quantum technology

Next-generation services



Future of mobility

Self-driving vehicles

Batteries for clean and flexible energy storage

Manufacturing and materials of the future

Robots for a safer world



Clean growth

Energy revolution

Transforming construction

Transforming food production

Wave 3 Challenges



Shortlist: subject to business case and successful negotiation

Industrial Strategy Grand Challenge	ISCF wave 3 challenge
AI and data	Commercialising quantum technologies (up to £70m*) Digital security by design (up to £70m)
Ageing society	Accelerating detection of disease (up to £79m)
Clean growth	Industrial decarbonisation (up to £170m) Manufacturing made smarter (up to £121m*) Smart sustainable plastic packaging (up to £60m) Transforming foundation industries (up to £66m)
Future of mobility	Driving the electric revolution (up to £78m*) Future flight (up to £125m)

ISCF opportunities



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- Challenge-focused: Will not name specific materials or technologies
- Require collaboration with other industries
- More complex
- Engage with
 - KTN
 - Innovate UK/UKRI
 - Universities
 - EEN

Take home messages

- Funding available now (general)
 - SMART
 - Loans
 - KTP
- ISCF
 - Ongoing
- Help through the KTN, EEN, regional managers and IUK



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Thank you
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Innovate UK is part of
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