

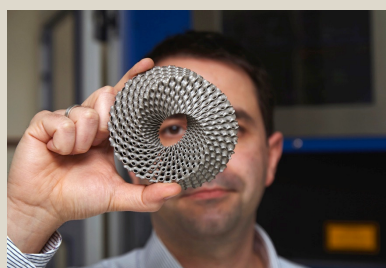
Delivering productivity improvement through Innovate UK's programmes

Dr Ruth McKernan CBE – Chief Executive
@RuthMcKernan

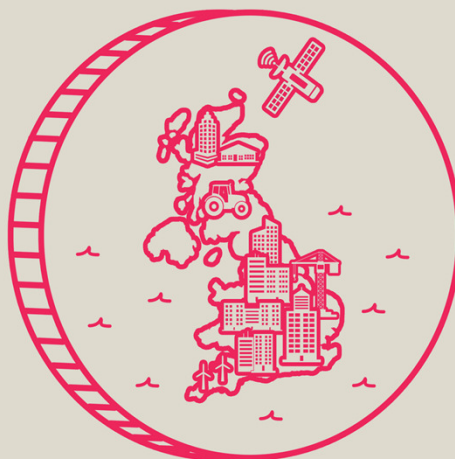
Innovate UK

Innovation is the key driver of productivity

- Innovation contributes up to **50% of all labour productivity growth**
- Productivity is maximised with around 2.5% of GDP spent on R&D
 - The **UK spends considerably less, at 1.8%**



Since **2007**
we have invested more than
£1.5bn
of public money
in **innovation**

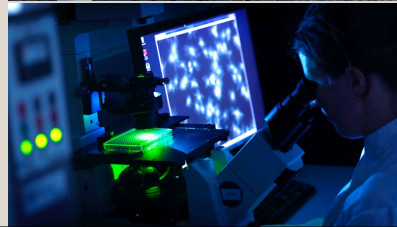


Drawing in
£1.5bn
in **business** and
partner contributions
making over
£3bn
of Investment in innovation



Innovation is the key driver of productivity

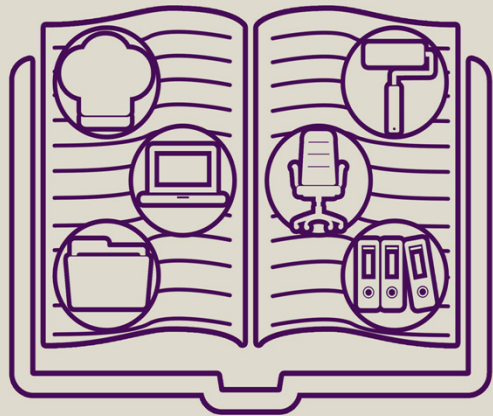
- Companies that persistently invest in R&D have:
 - **Higher productivity**
- 13% higher than those who don't invest at all
 - **Better value added per employee**
 - **More exports**



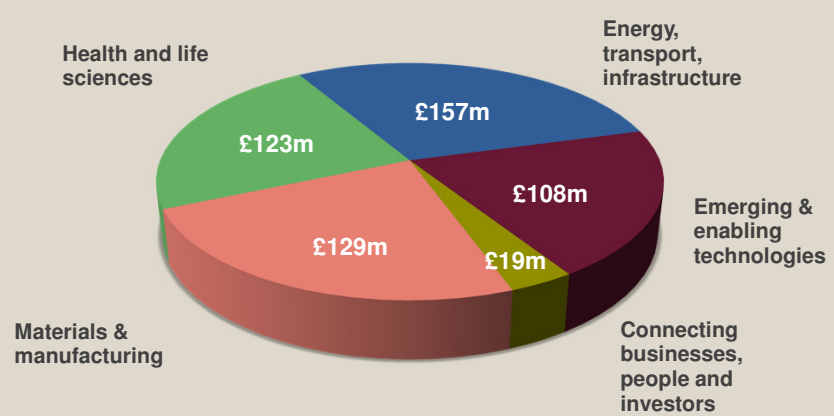
We have
helped
5,000+
companies



Adding an estimated
£7.5bn
to the UK
economy
and creating
an average of
7 jobs
per **company**
we have worked with



Innovate UK funding, 2015-16



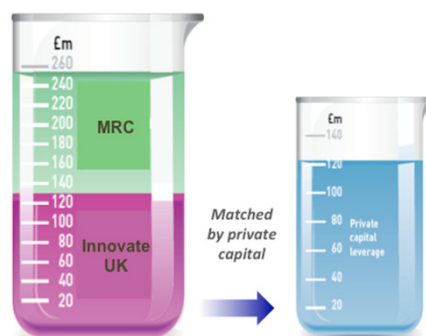
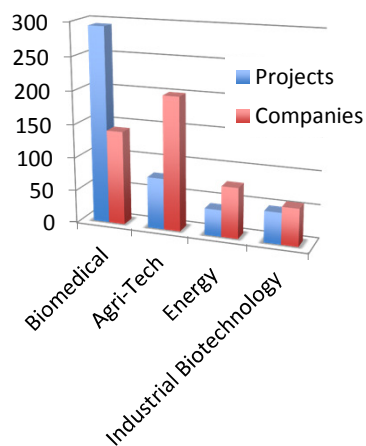
Innovate UK's 5-point plan

- 1. Working with the research community and across government** to turn scientific excellence into economic impact.
- 2. Accelerating UK economic growth**, nurturing small, high-growth companies, with strong productivity and export success.
- 3. Building on innovation excellence throughout the UK**, investing locally in areas of strength.
- 4. Developing Catapults within a national innovation network**
- 5. Evolving our funding models**; help public funding go further.

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Working with research and government - Catalysts



autifony
THERAPEUTICS

OWLSTONE

summit

ZIARCO

Endomag – 10,000 patients treated worldwide

- £275K collaborative R&D project, £100K Smart award, £22K Biomedical Catalyst grant
- ‘Future Health Mission’ to California
- Developed and CE-marked **nanoscale magnetic tracer system**
- Used to treat **10,000 cancer patients** worldwide, without need for radioisotopes
- Winner of **Innovate UK SME Innovation Award** for innovation leading to productivity improvement

endomag⁺



Discuva – building innovative partnerships

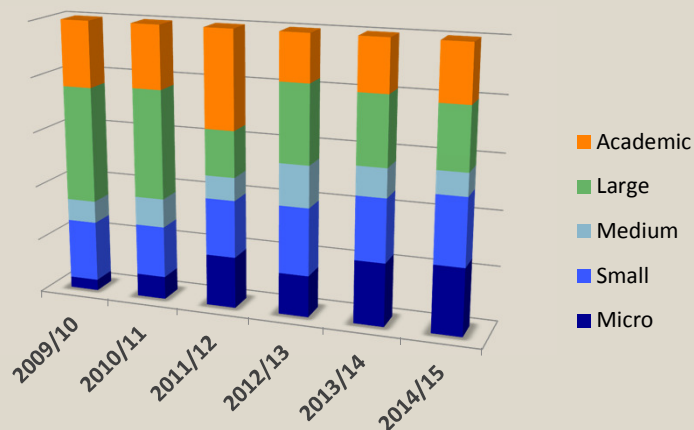
- £1.6M from the Biomedical Catalyst in 2012
- Attracted **significant investment from private funding**
- Secured a **multi-million pound partnership** with the pharmaceutical giant Roche
- Winner of **Innovate UK SME Award: Innovation Attracting Investment**



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Accelerating innovation – growing businesses



Increasing our focus on small, high-growth companies

Evoque_e – growing the low carbon vehicle supply chain

- 2-year, £16.3M, 12-partner collaborative R&D project funded through **Low Carbon Vehicle Innovation Platform**
- Engineers and technologists from across **academic, supply chain and industry**
- Developing future hybrid and battery electric vehicle technology
- **Building relationships** between low carbon technology suppliers and car manufacturers



Isansys with McLaren – F1 technology to healthcare

- Isansys Lifecare with partners including McLaren Applied Technologies
- £100K Smart award, £1M SBRI, £1.8M Health Innovation Challenge Fund
- Lifetouch bandage-like strip allows wireless monitoring of seriously ill children
- Data-driven approach to healthcare

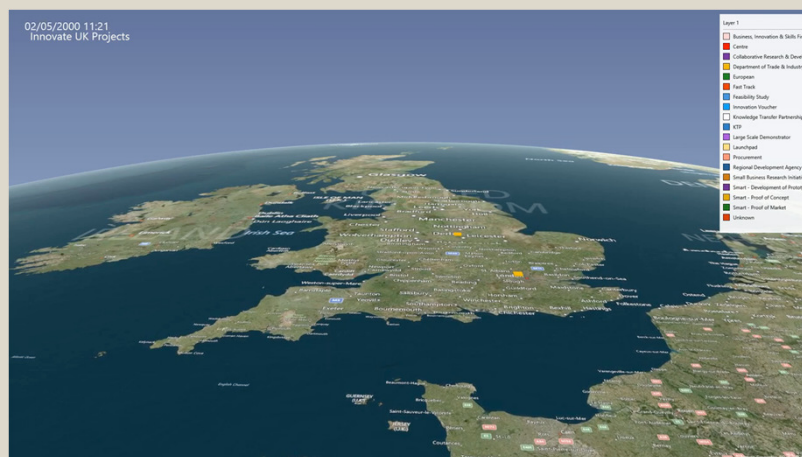
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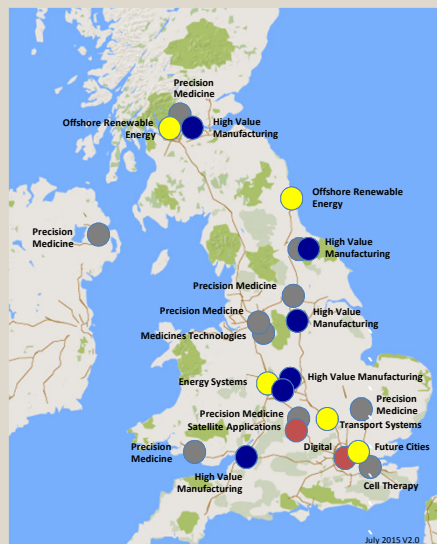
Building on regional and local excellence



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Developing Catapults in a network



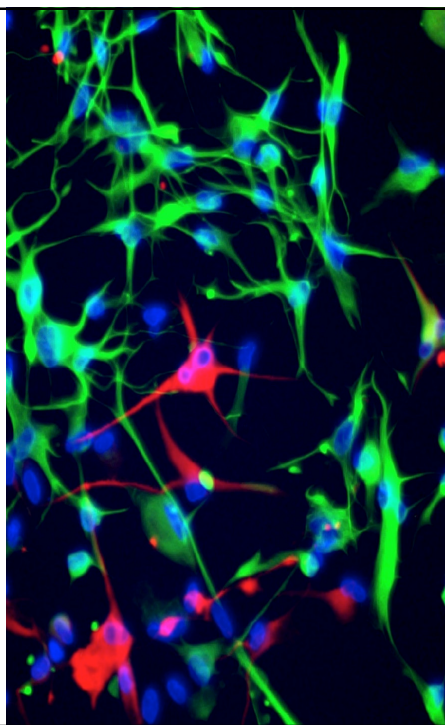
Cell Therapy Catapult

- **Tokyo Electron** invested \$4m in a new facility at the Stevenage BioCatalyst to develop their system to automate stem cell growth.

“The input of centres of excellence, such as the Cell Therapy Catapult, have been a driving force to make this happen.”

Bob Honda, Director

- Other investment into the UK:
 - **Asterias Biotherapeutics** (US), **Cytori** (US), **Medinet** (Japan)



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www.innovateuk.gov.uk

We can't stop
thinking about
the future

Innovate UK