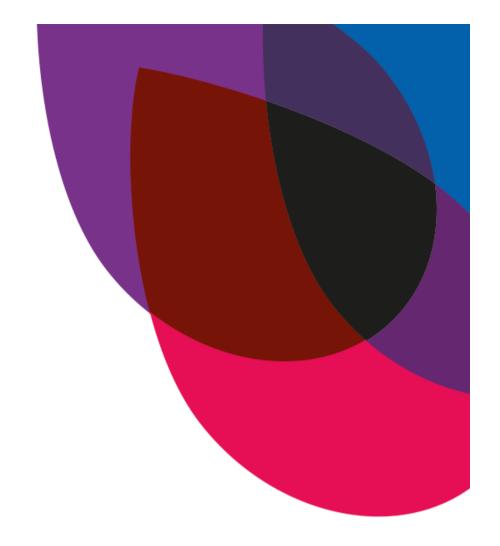
Ben Peace (@BenPeace) Knowledge Transfer Manager





The Innovate UK Family



Innovate UK









Innovate UK

Knowledge Transfer Network

KTN are the UK's innovation network. We stimulate innovation by:

- Linking organisations & exchanging knowledge
- Providing access to support
- *Promoting exemplars*
- Informing national priorities
- 125 staff
- UK-wide
- 60,000 members
- Free to join



"I was impressed by the connections across powerful communities which KTN staff have helped build.

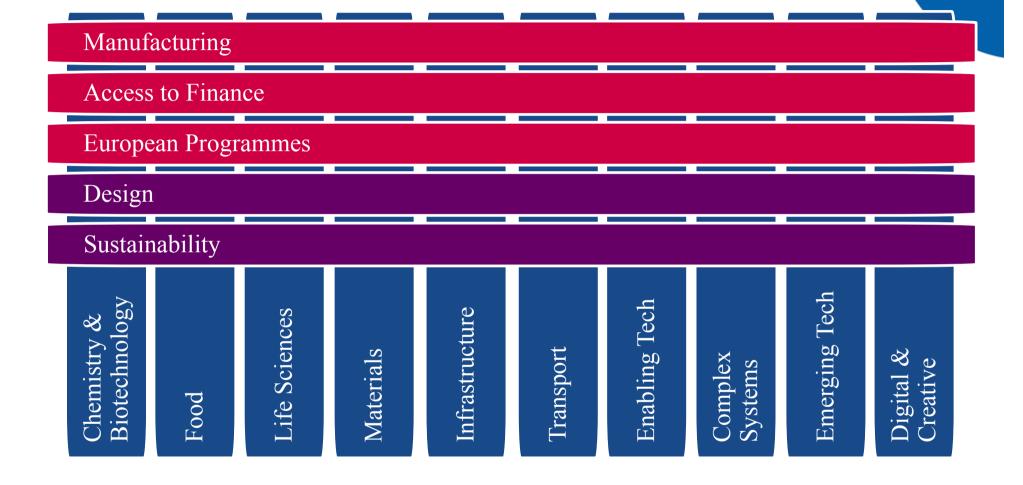
This was clearly the result of people knowing what was needed and bringing the right players together"

Christine Tacon, Chair of the Food and Drink Engineering Forum



Emerging Tech Biotechnology Enabling Tech Infrastructure Life Sciences Chemistry & Complex Systems Transport Digital & Materials Creative Food









Bringing the revolution to UK SMEs

- Small & medium sized manufacturers are critical:
 - Make up half of UK manufacturing
 - Fundamental to most supply chains
- Particular barriers to adoption
 - What is it?
 - Knowing where to start
 - Resources
 - What support is out there?

- One-to-one support
- 100 SMEs & counting...



Connecting the innovation landscape for the benefit of UK business

• A few of the organisations we're working with:



Innovate UK

















How does 4Manufacturing work?







Our framework

22 themes with 5 attainment levels

- Starts the first dialogue
- Establishes starting point
- Illustrates the potential
- Informs plan of action
- Enables tracking of progress

"The process enabled the business to take stock and evaluate what we do and more importantly what we can do"

Manufacturing SME

Business integration	 Factory floor and production systems Additive manufacturing Industrial Internet of Things Sensors Systems integration Digitally assisted assembly Robotics & automation Simulation Cyber security Flexible manufacturing 3D visualisation Digital processes Predictive maintenance Energy & water efficiency
Supply chain integration	— Supply chain integration & mapping— Circular economy & remanufacturing
Customer integration	— Servitisation— Web-based customer order tracking— Mass customisation
Product innovation	 — Innovation best practice/readiness — Development of a new product — Improvement of an existing product





Barriers

...and how we're tackling them...



- "What is it/where can I see it?"
- "Where do we start?"
- Lack of definitions, standards, glossary
- "What support is there eg. from government?"

4Manufacturing



Some key observations so far



- 1. Engaging SMEs is critical
- 2. One-to-one support is important
 - We've developed a framework that works
 - Helping link to Catapults, academia, other solution providers etc.
 - ...and support to help make such collaborations happen
- 3. Many solution providers are SMEs themselves



KTN network for immersive tech

New cross-sector network on augmented & virtual reality

- Helping make connections, facilitate collaboration & tap into new areas for growth.
- For businesses & research organisations





Thank you

KTN - The UK's innovation network

- Linking innovators to knowledge and partners
- Providing access to support
- Influencing national strategy

Get in touch!

Ben Peace - Knowledge Transfer Manager, Sustainable Manufacture

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