

Sensors

Knowledge Transfer Network

Knowledge Transfer Networks

A DTI business support solution

Delivered through the Technology Programme

Sensors & Instrumentation

Nigel Day

**Sensors & Instrumentation
Knowledge Transfer Network**

ADS Workshop

23 April 2008



Knowledge Transfer Networks – what are they & what do they do?

- What they Are:
 - Vehicle for the community to develop ideas & interactions;
 - Communications route between the community & Government
 - Playing increasingly significant role in development of UK Technology Strategy & as focal points for Technology Programme.
- What they Do:
 - Improve UK's innovation performance
 - Increase breadth & depth of Knowledge Transfer
 - Accelerate rate of KT
 - Actively contribute & remain aligned to the development of a national Technology Strategy

The logo consists of a blue rounded square with the word "Sensors" in white text. Below it is a yellow horizontal bar with the text "Knowledge Transfer Network" in black.

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- Report into the Technology Strategy Board
- “.. primary aim is not the creation of knowledge - where Government separately invests over £3 billion per annum - but the translation of knowledge into innovation and new and improved products and services.”

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- Aerospace & Defence
- BioProcess UK
- Bioscience for Business
- Chemistry Innovation
- Cyber Security
- Electronics
- Electronic-Enabled Products
- Food Processing
- GRID Computing
- Health Technologies
- Industrial Mathematics
- Intelligent Transport Systems
- Integrated Pollution Management
- Low Carbon & Fuel Cell Technologies
- Location & Timing Materials
- Materials
- Micro & Nano Technologies
- Modern Built Environment
- Photonics
- Resource Efficiency & Waste management
- **Sensors & Instrumentation**
- UK Displays & Lighting

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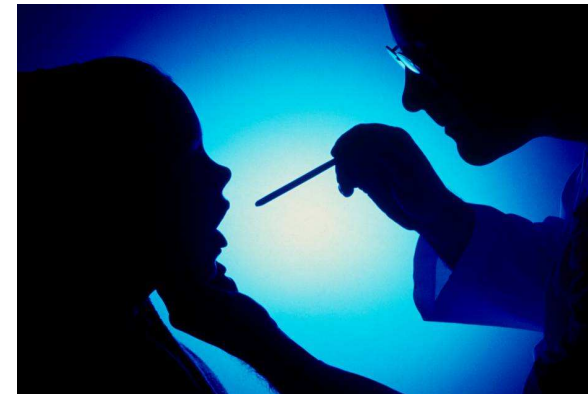
What is the Sensors KTN?

The UK's sensing & instrumentation network

Activity and services for sensing community

Recognises importance of sensing to economy

Managed by NPL & Qi3

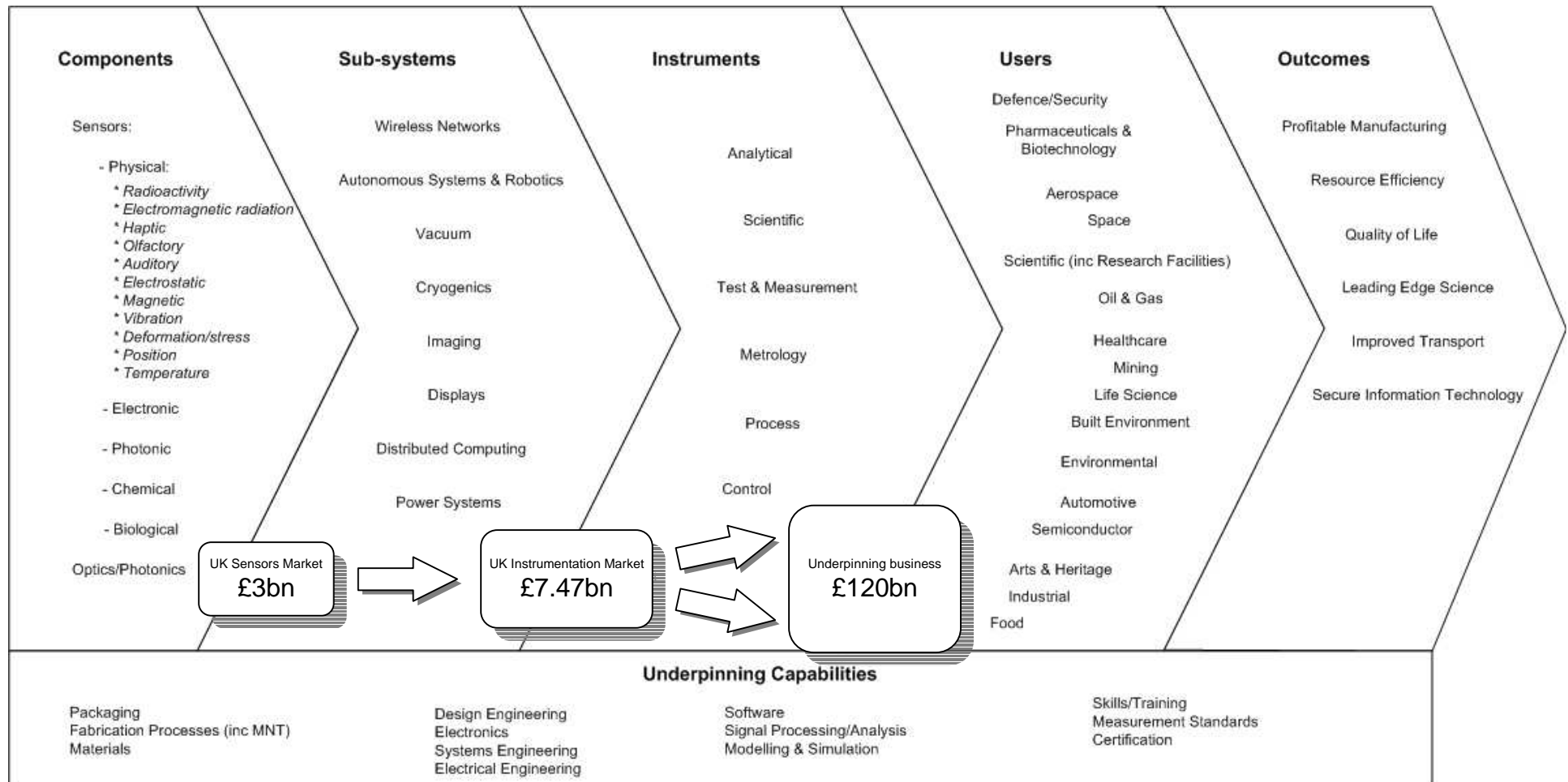


Sensors & Instrumentation Supply Chain

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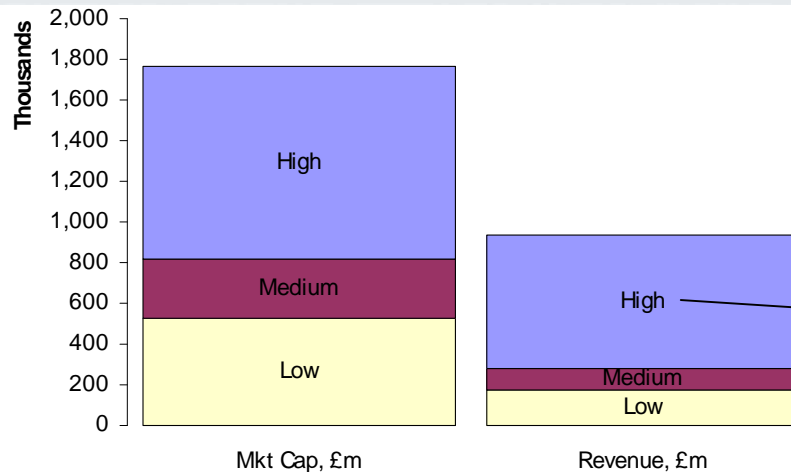
Underpinned business

Which instrumentation-dependent sectors have the most influence on the economy?

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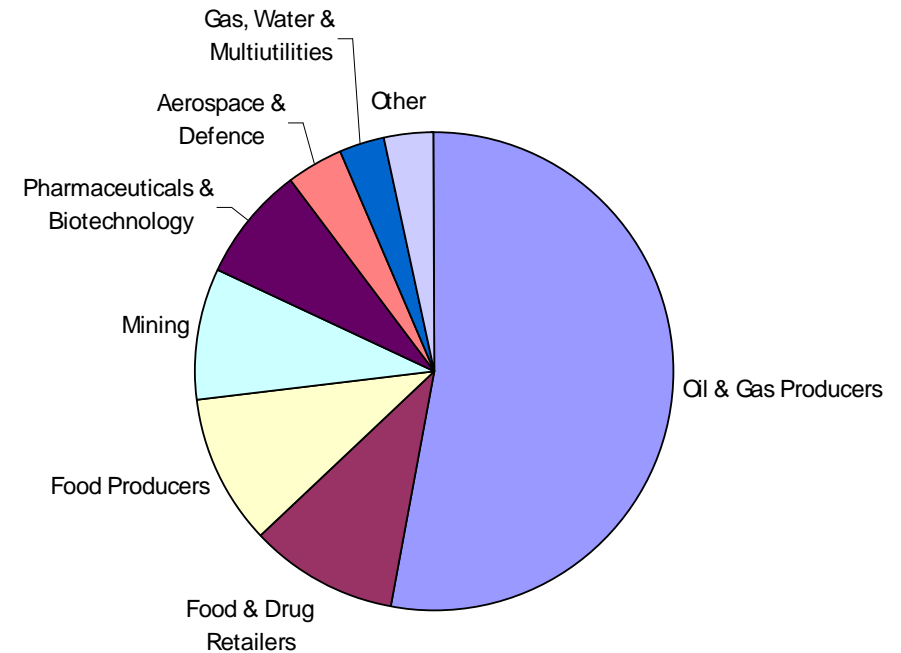
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Influence of sensors and instrumentation estimated by industry classification of FTSE 100

High: Oil & gas, mining, aerospace, defence, chemicals, health etc. Low: Financial services, media etc.



- 70% (£646bn) of FTSE 100 revenues in highly-dependent sectors
- How does this break down?

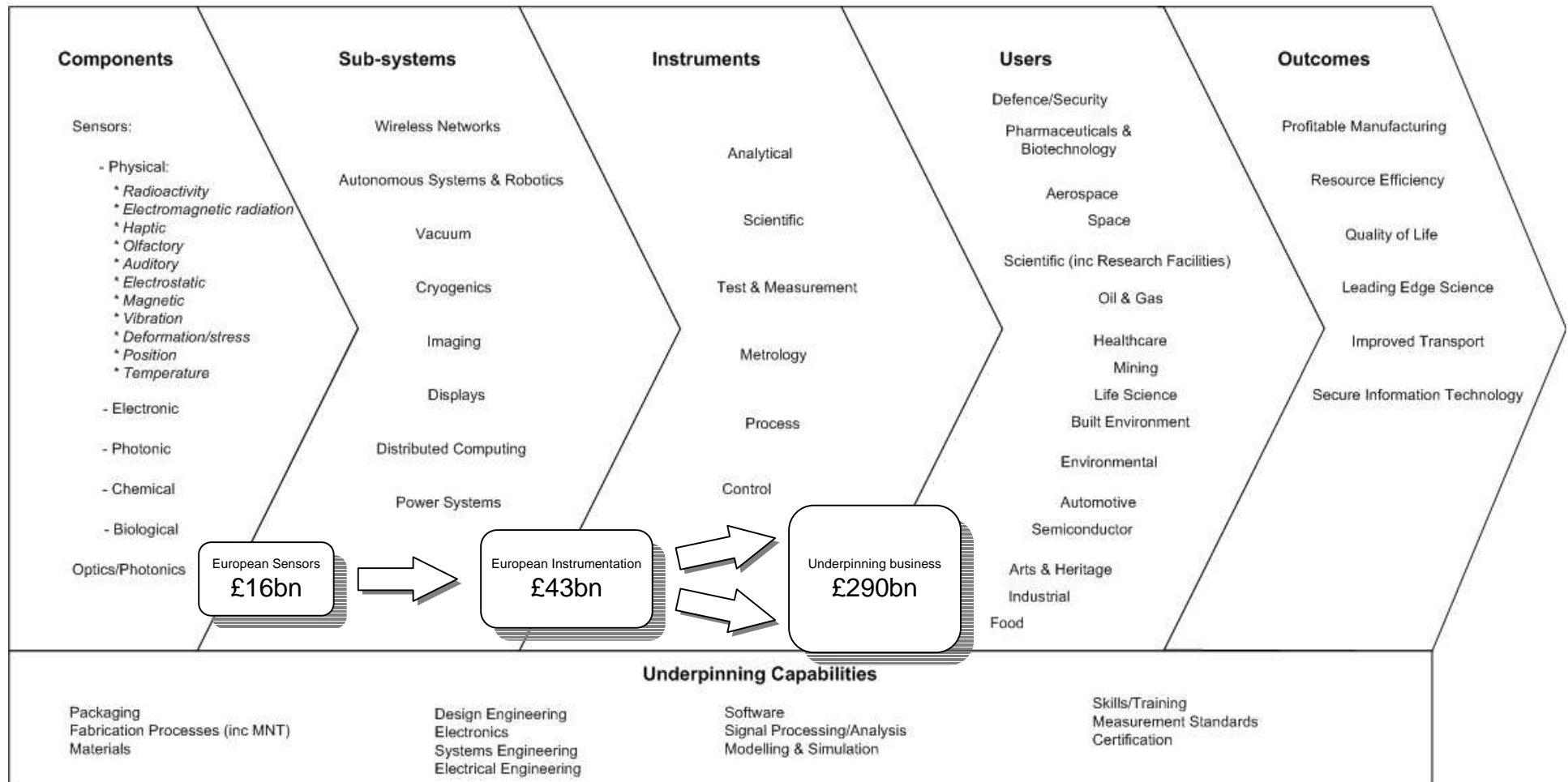
- Key sectors & companies:
 - BP, Shell (over £200bn revenues)
 - Tesco, Unilever
 - GSK
 - Rio Tinto

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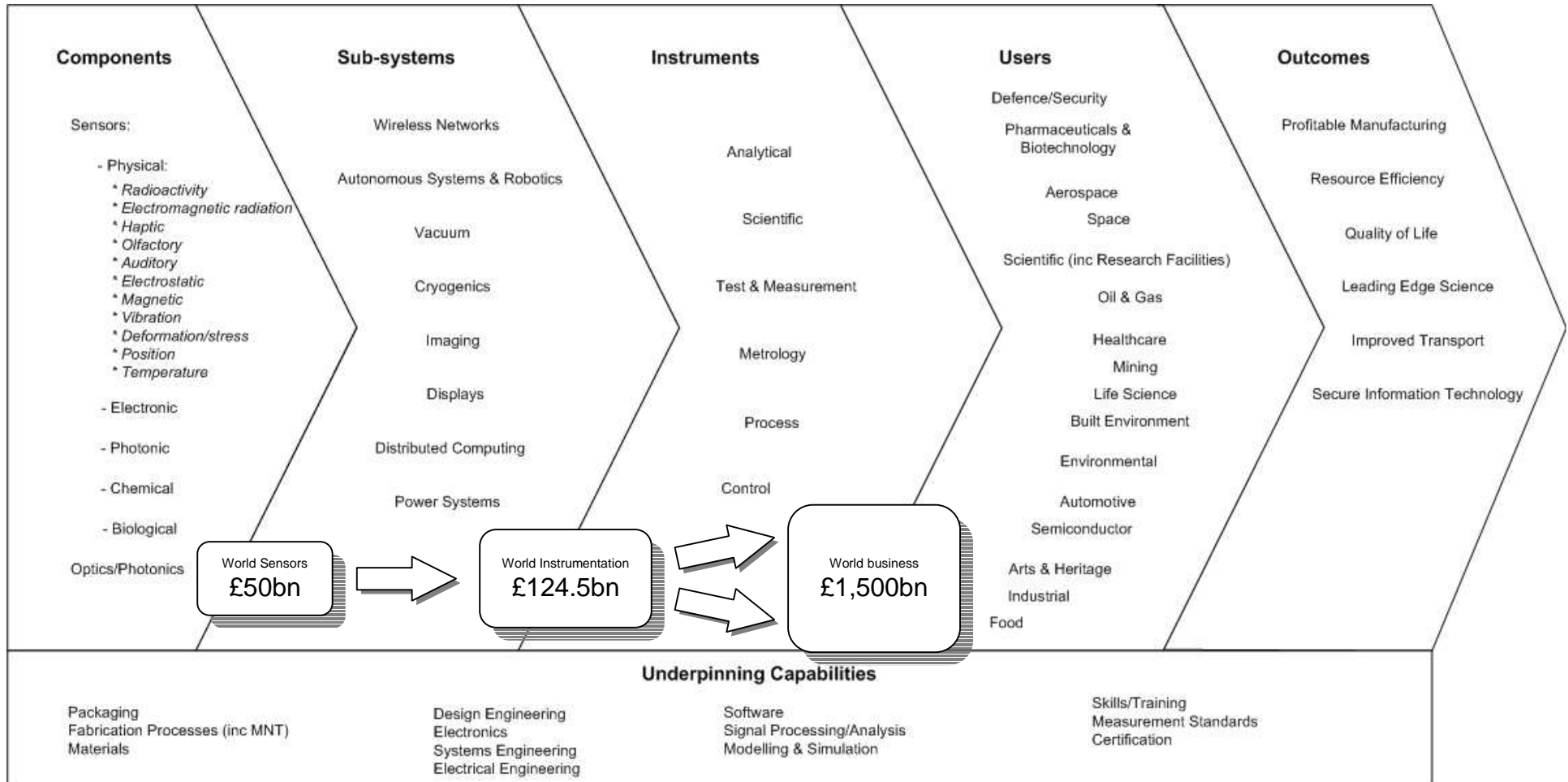


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Current Status:

- Over 1700 member organisations (approximately 25% involved in Research)
- Estimate of market size measured by organisations is 2600 - 3000.
- Over 2000 attendees at events.
- Leveraged £13.5m of R&D and VC funding to date.
- 3 CASE Studentships, 1 secondment

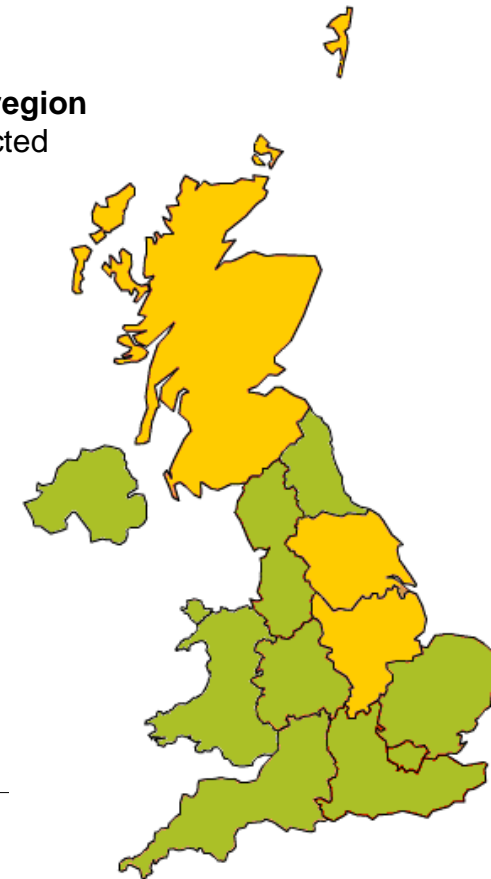
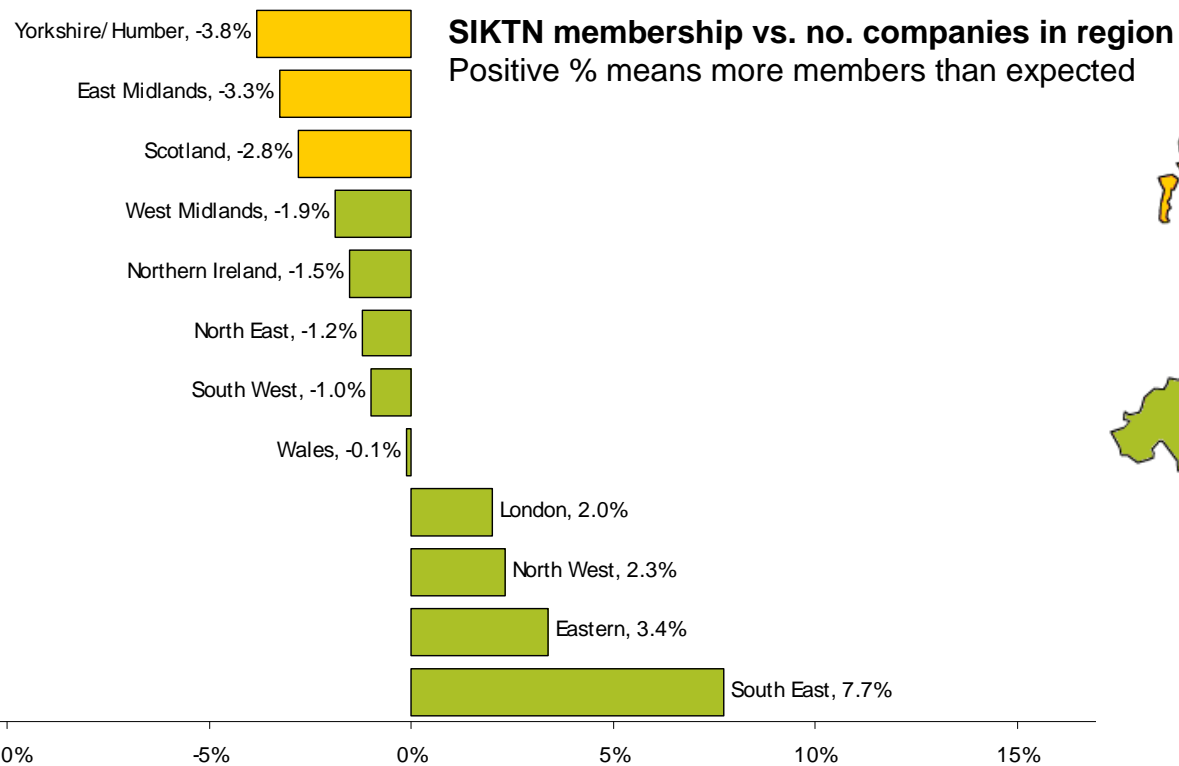
How well does the SIKTN membership reflect regional variations?

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- Membership data compared with ONS companies data



What will the Sensors KTN do for business?

- Recognise sensors and instrumentation as a unique business opportunity.
- Provide UK businesses with the opportunity to meet and network.
- Provide a high quality, easy to use service, which encourages knowledge transfer between the supply and demand sides of instrumentation.
- Encourage the flow of people, knowledge and experience between industry and the science base.
- Attract and optimise the use of funding resources.
- Provide a forum for a coherent industry voice to inform government policy making.
- Provide advice on the various support mechanisms available.

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Supporting the supply chain

Connecting companies to new research

Raising awareness of emerging technologies

Representing the sensing community
to government

Helping companies exploit sensing

Raising the profile of SME developers

Brokering introductions with customers

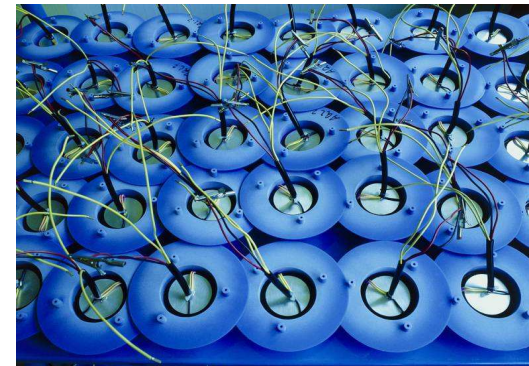
Winning funding

Connecting academics to industry

Turning research into products

Collaborations and industrial partnerships

Funding



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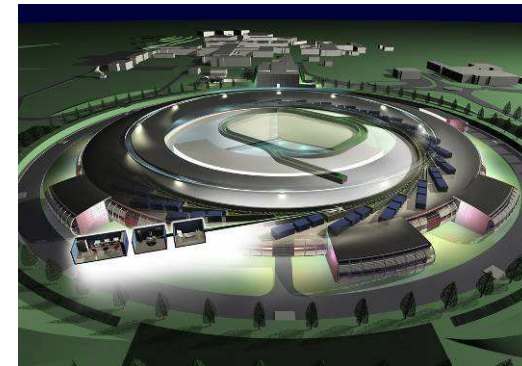
Sensors KTN activities

Connecting the sensing community – sign up for our directory

11 technology translators giving direct one to one help

Events e.g. Intelligent Sensing Programme

Input to government to direct its spend



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So come and talk to us
about how we can help
you

Contact

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