

# Realising the Potential of Sensing & Instrumentation - How we can Help

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Sensors & Instrumentation  
KTN





# *Solving Challenges in Science and Heritage – The Role of Sensors and Instruments*

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*National Conservation Centre, Liverpool*

# Knowledge Transfer Networks

Aerospace & Defence

BioProcess UK

Bioscience for Business

Chemistry Innovation

Cyber Security

Electronics

Electronic-Enabled Products

Food Processing

GRID Computing

Health Technologies

Industrial Mathematics

Integrated Pollution Management

Intelligent Transport Systems

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

# Knowledge Transfer Networks

## What are they & what do they do?

- What they Are: - A Conduit
  - 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

# What is the Sensors & Instrumentation KTN?

- Network covering the UK's sensing & instrumentation community - academics, large industries, small businesses, research councils, and government departments.
- Embraces sensing from measurement principles, novel sensor technologies, instrumentation, deployment, and data analysis.
- Our Mission: To improve UK's sensing innovation by transferring knowledge to businesses and enabling them to access the best science and technology.

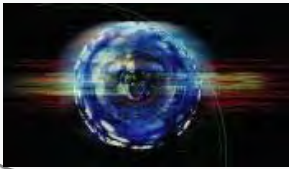
# Sensors & Instrumentation KTN



*Managed by:*



Science & Technology  
Facilities Council



**UKAEA**  
*Restoring our Environment*

*Funding partners*

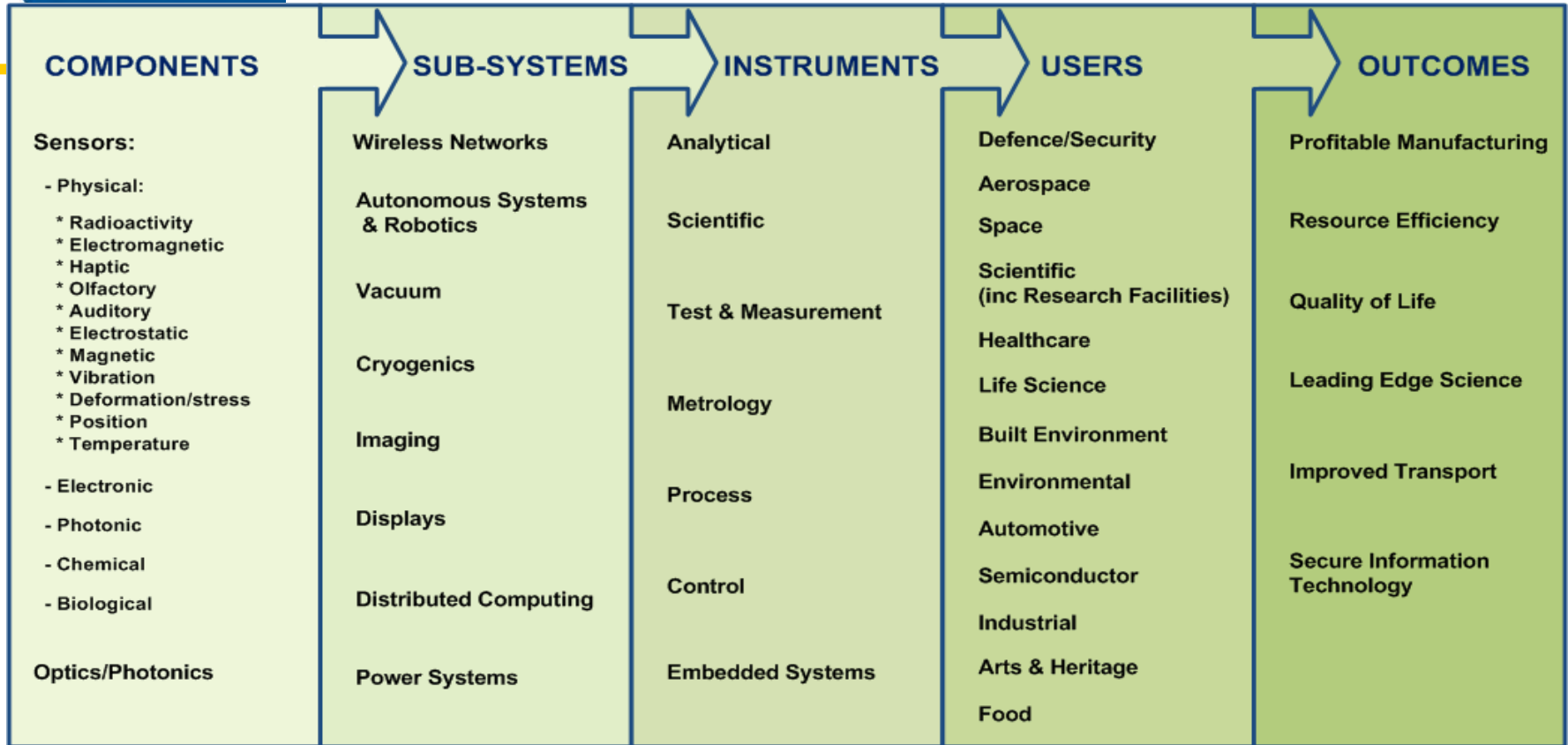


AUTOMATION  
INSTRUMENTATION & CONTROL  
LABORATORY TECHNOLOGY

Institute of **Physics**  
**INDUSTRY-UNIVERSITY**  
**TECHNOLOGY PROGRAMME**

*Supporting partners*

# Sensors & Instrumentation Supply Chain



## UNDERPINNING CAPABILITIES

Packaging	Design Engineering	Software	Skills/Training
Fabrication (inc MNT)	Electronics	Signal Processing/Analysis	Measurement Standards
Materials	Systems Engineering	Modelling & Simulation	Certification
	Electrical Engineering		

# Activities

- **Connecting academics to industry**
  - Turning research into products
  - Collaborations and industrial partnerships
  - Supporting spinout companies
  - Funding opportunities
- **Helping small companies exploit sensing**
  - Raising the profile of SME developers
  - Brokering introductions with customers
  - Preparing for the market
  - Winning funding



# Activities

- **Driving sensing innovation**
  - Advising funders and policy makers
  - Leading funded activity to drive growth in sensing
  - Giving specialist networks access to a wider sensing community
- **Sensors & Instrumentation 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

# How We Can Help You

- Advice on practical issues of KT
- Assistance in finding partners for KT collaborations
- Guidance on forming KT collaborations
- Tailored advice on evaluating funding opportunities
- Support in preparing funding applications for KT
- Support for spin-out company opportunities

# Join Us

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

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