



Home Office

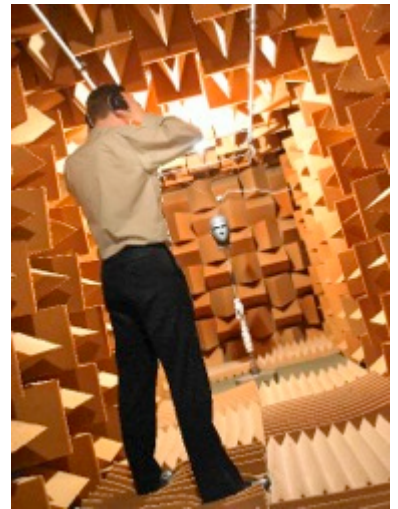
Partnering with the Centre for Applied Science and Technology

Presented by: Rob Coleman, Director CAST

Centre for Applied Science and Technology (CAST)

An expert team of specialists using science and technology to deliver Home Office priorities:

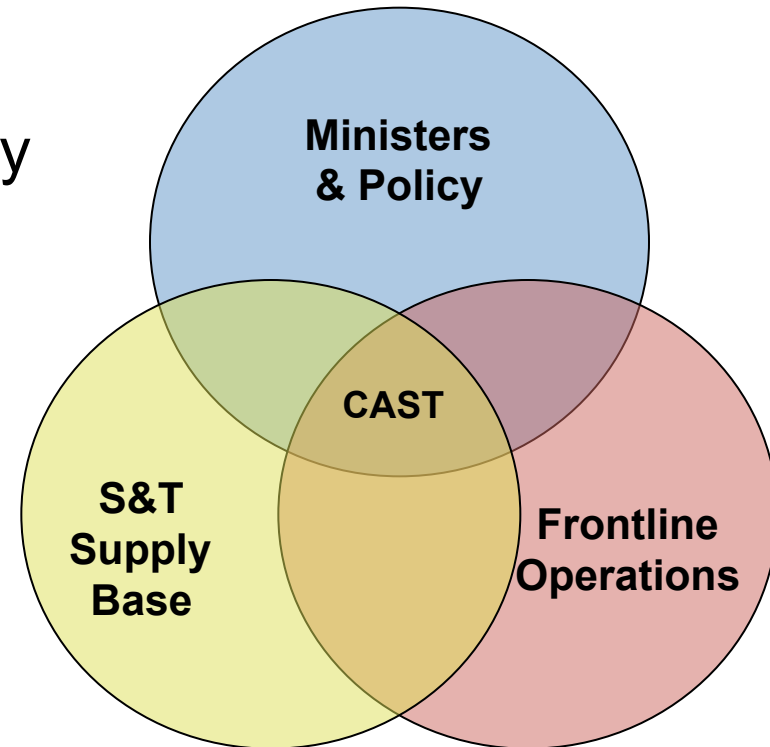
- ❑ cut crime
- ❑ prevent terrorism
- ❑ reduce immigration
- ❑ promote growth by keeping the UK safe



Our role

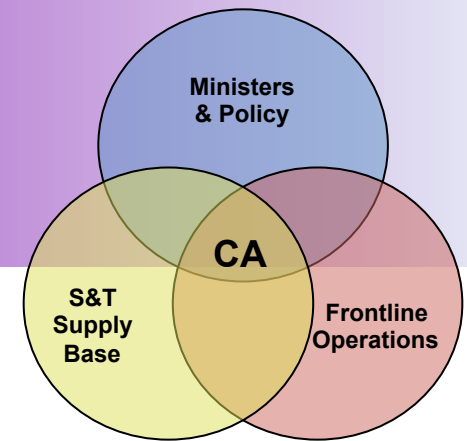
The primary science and technology interface between:

- ❑ Home Office Ministers and policy formulation
- ❑ frontline operational decision makers
- ❑ external suppliers of S&T



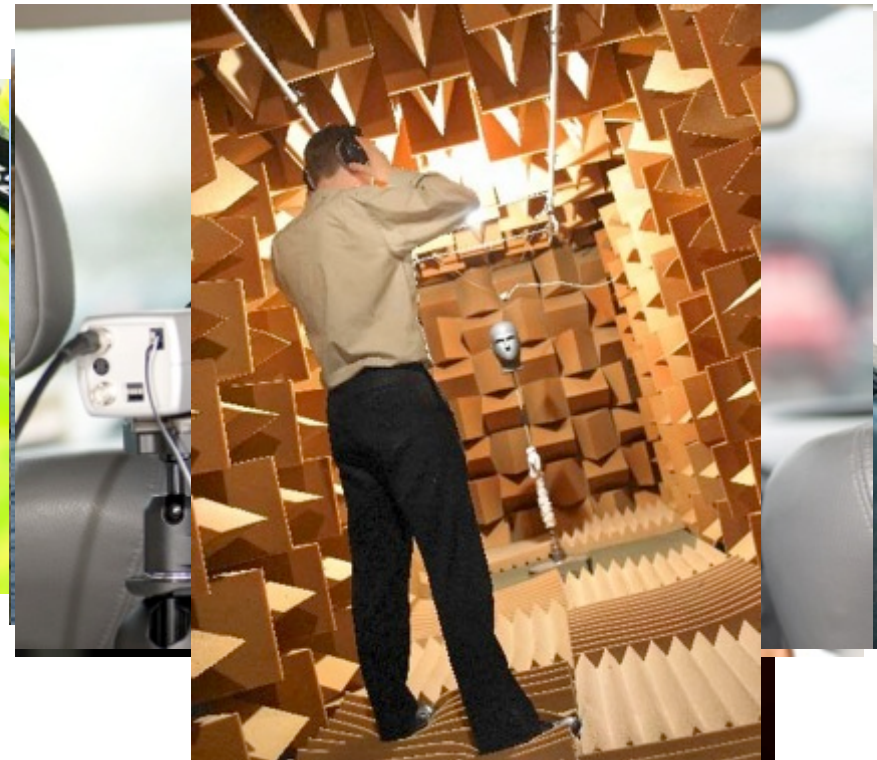
Operating where others cannot for reasons of impartiality, national security or market failure

Capability advisers

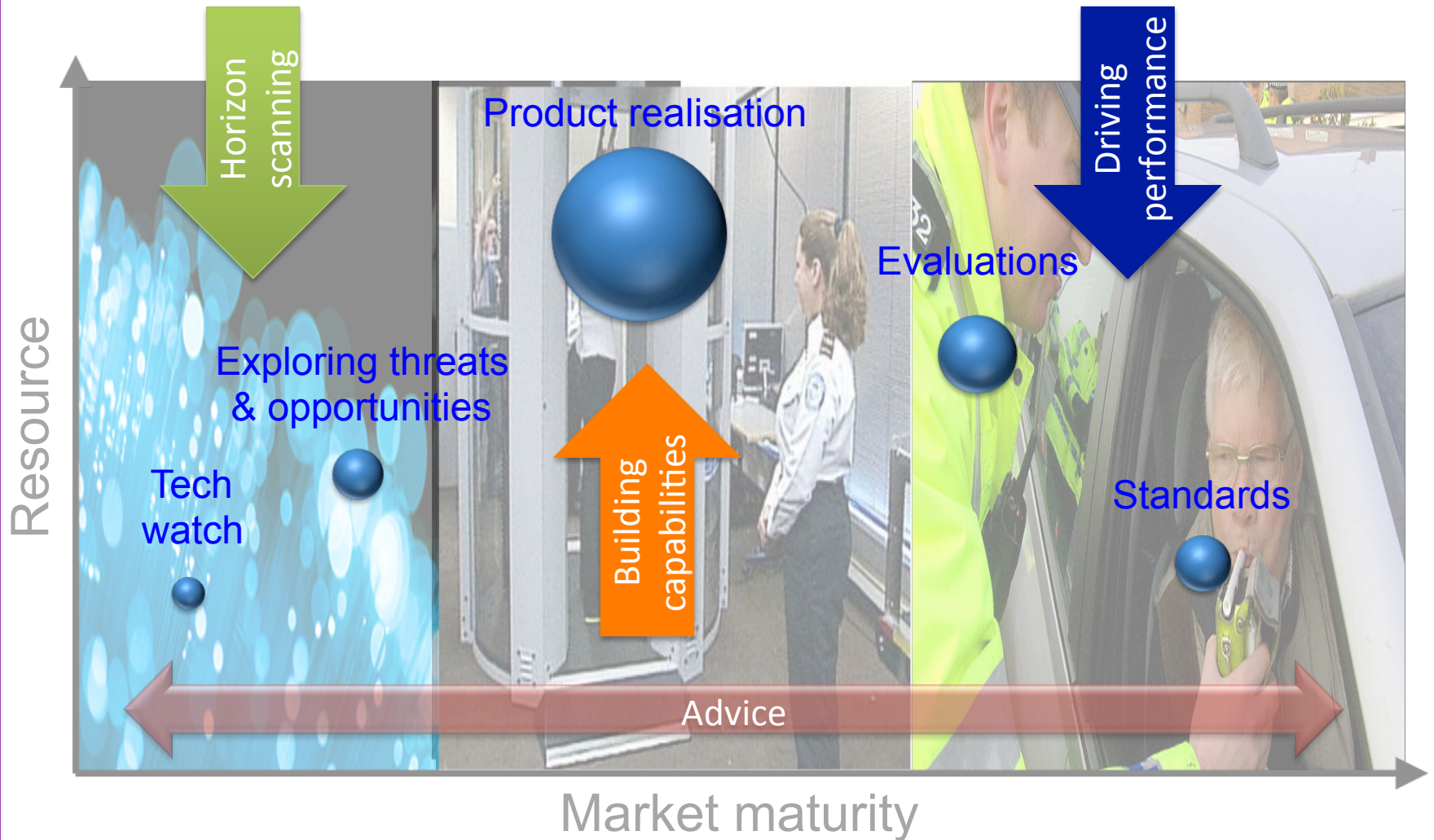


Senior experts with specialist domain knowledge and skills in:

- contraband detection
- crime prevention & community safety
- cyber
- forensics
- identity assurance
- protective security
- public order
- surveillance



Engaging the S&T supply base



Security & Resilience Growth Partnership

- Ministerial led group
- Industry, academe and government representatives
- Key challenge – increase growth in the security sector
- Initial focus:
 - Innovation and demonstration
 - Exports portal
 - Security branding

Security Innovation & Demonstration Centre (SIDC)

- A partnership between government, industry, academia and users
- An open innovation centre focussed on security challenges
- Providing access to end users and their environments for rapid real world evaluation of new concepts
- Shared lab and demonstration space hosted at CAST
- Supporting start-ups through links to mentors and investors
- De-risk introduction of new technologies
- Host demonstrations to overseas delegations to support UK security exports



SIDC – Bringing partners together



SIDC – What will it do?

Challenges

- Broad long term challenges
- Set strategic direction

Road maps

- Vision of where we want to get to
- Key waypoints along the journey

Projects

- Concept demonstration
- Evidence to build the case for investment in technology

SIDC - Enabling delivery



Events

- Understand challenges
- Understand market
- Identify partners



Projects

- Prototype solutions
- User engagement during development
- Trials and evaluation with users in real environments



Facilities

- Test beds to emulate end user IT/Comms systems
- Secure labs /integration /demonstration space
- Directory of members specialist facilities

SIDC - Supporting exports

Government to
Government initiatives



Security Growth
Partnership Export Portal



Showcase demonstrators



What type of challenges are we considering?

Digitally enabled officer of the future



Situational awareness



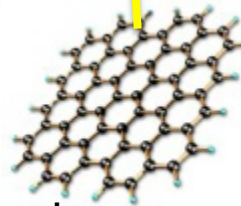
Comms



Camera



Power generation



Graphene armour



Wearable computing

SIDC - How can I be part of it?



Staff secondments

- Being advertised through RISC
- Looking for a range of skills, particularly business development, IP and systems integration



Participate in Workshops

- Innovative products and services
- Cross fertilisation of ideas from other sectors (consumer, medical etc)



Demonstrate your ideas

- Themed innovation events
- Access end users and investors

Thank you for listening!

