The following presentation was given at:

The 2015 SCAF Annual Conference

Tuesday 15th September 2015 The QEII Conference Centre, Westminster, London

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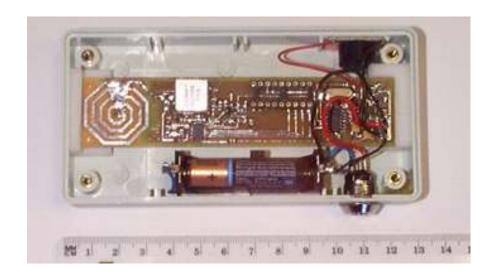
The Technology Race - how can Defence keep up?

Ron Finlayson QinetiQ

SCAF Annual Conference September 2015



We depend on GPS......







Who is watching?.....





The information is out there....



> 80% of intelligence can be gained from open source



Defence used to be in control.....



Radar



Thermal Imaging



Carbon Fibre



LCDs



mmWave Imaging

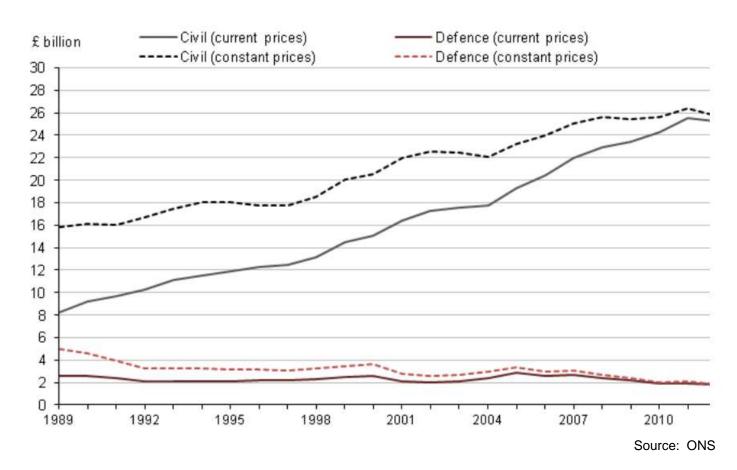


ARPAnet in 1974



The balance between defence and civil R&D

Expenditure on civil and defence R&D performed in the UK 1989-2013





The future



- the big data revolution and energyefficient computing
- satellites and commercial applications of space
- robotics and autonomous systems
- life sciences, genomics and synthetic biology
- regenerative medicine
- agri-science
- advanced materials and nanotechnology
- energy and its storage



Even sensitive technology is proliferating

Theft of F-35 design data is helping U.S. adversaries -Pentagon

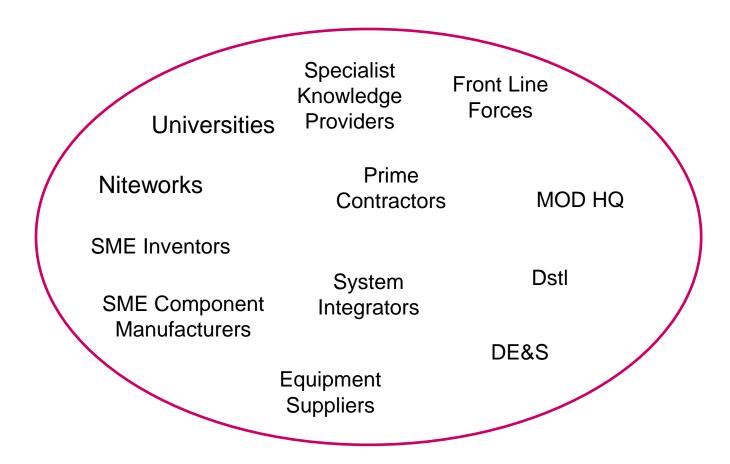
- * Classified F-35 program data secure, official says
- * But theft of sensitive design data "a major problem"
- * Testimony follows report on China and cyber espionage

Source: Reuters June 2013



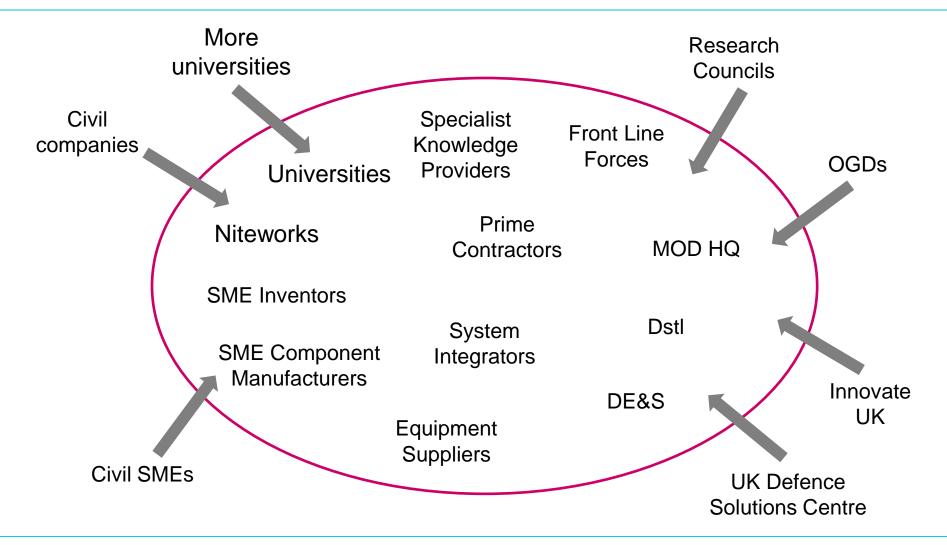


The Defence Enterprise today



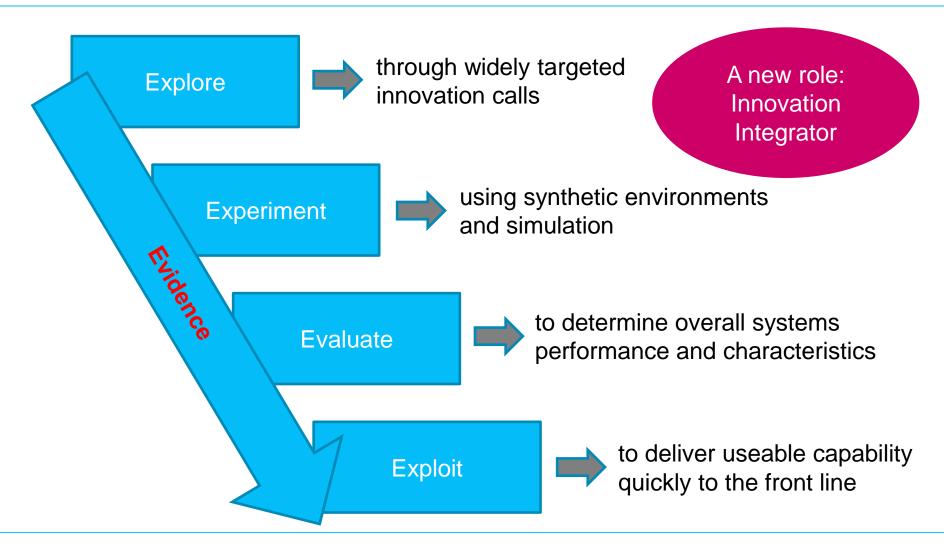


The Defence Enterprise tomorrow





Accelerating innovation





How do we make this happen?



Extend the Enterprise

beyond the traditional defence players



Accelerate innovation

Innovation Integrator



Business models

- •IP
- open architectures
- commercial models



