



EADS Innovation Works

■ ■ ■ THE SPIRIT OF INNOVATION



Introduction to EADS & Innovation Works UK



Commercial Aircraft



No. 1

Helicopters



No. 1

Commercial Launch Vehicles



No. 1

Missile Systems



No. 1

Satellites



No. 3

Military Transport Aircraft



No. 3

Military Air Systems

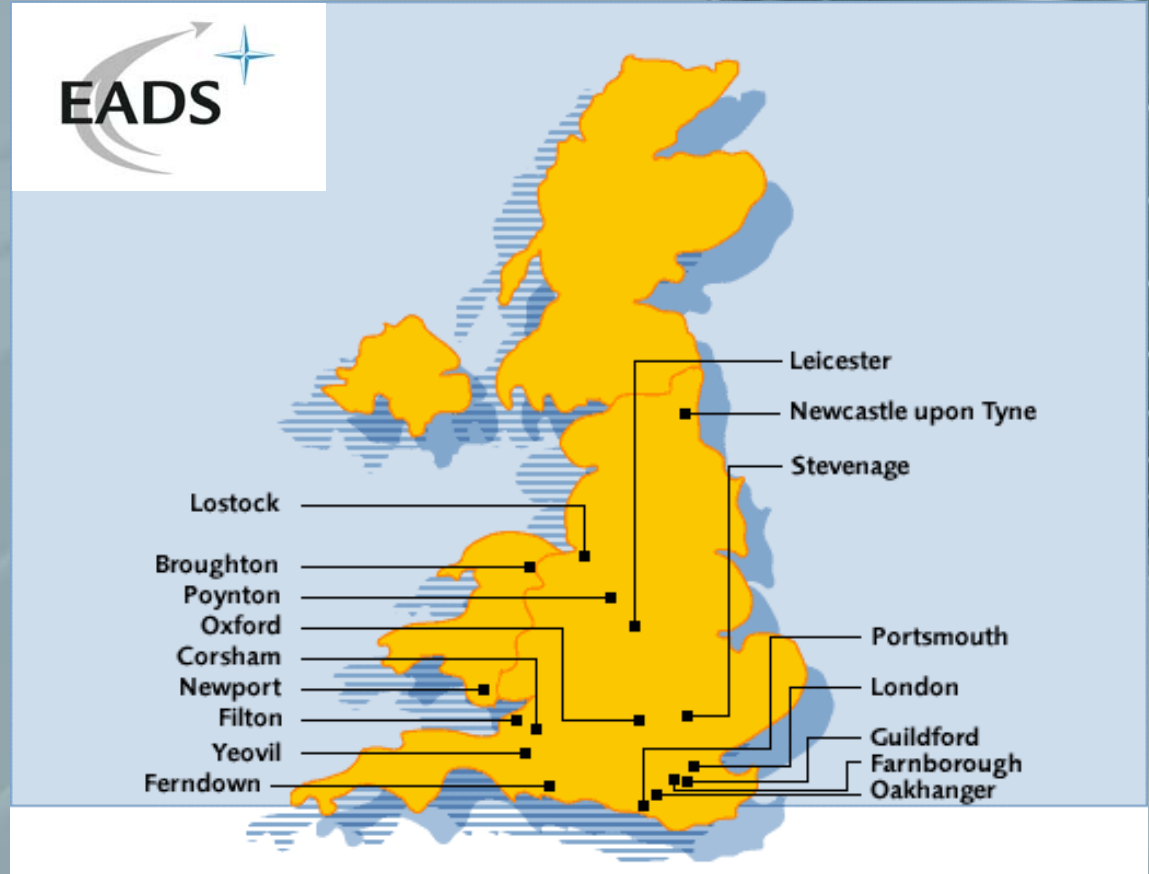


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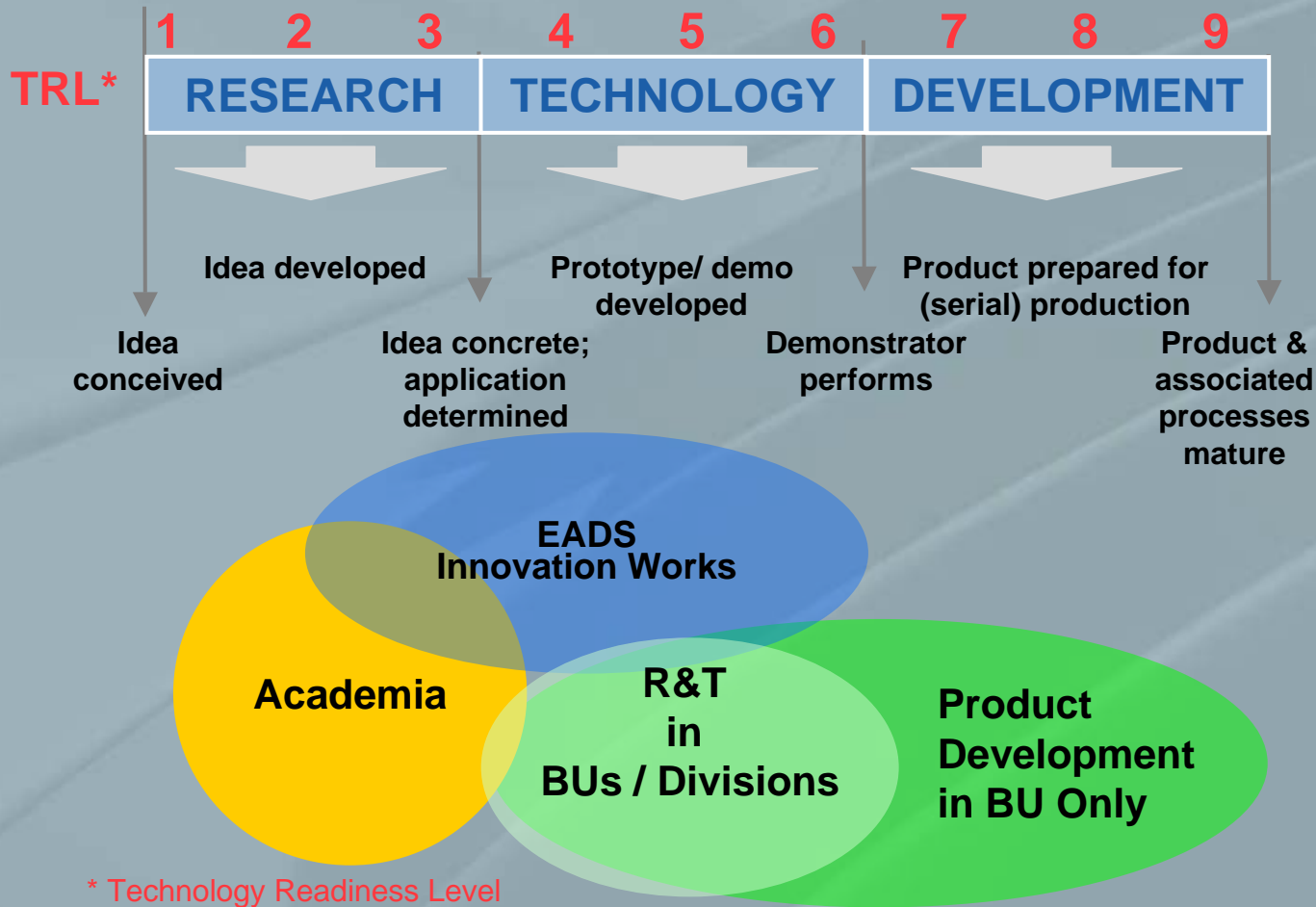
EADS in the UK

- The UK is an important market for EADS : in both aerospace and defence
- The UK is a home market for EADS:
 - All major EADS BU are now represented in the UK
 - EADS is the second UK A&D company (after BAES) for employment and revenues
 - Airbus, Astrium, DS (Crypto) and MBDA are established national champions in their business areas
- EADS revenues are approx €2bn and employ ~15,000 people directly





Technology Development within EADS



Industrial Products



An international network of research centres composed of high skilled people working on EADS priorities, that is:

- Responsible at EADS Group level for identifying new technologies that:
 - Create value and develop them up to TRL 3
 - Realising the technical innovation potential for EADS in TRL 1-6
- The 3 main targets of EADS Innovation Works are:
 - Value creation for the Group
 - Cost efficiency (no redundancy)
 - Internally and Externally recognized expertise of the teams



MOVING FROM RESEARCH TO RESEARCH & INNOVATION



EADS IW - Geographical Locations





EADS Innovation Works – UK Sites

South West – Filton

- Operational March 2008 - Capacity ~30
- Focus : Advanced Aerospace Platform Technologies



Wales – Newport

- Operational June 2008 - Capacity ~60
- Focus : Communications & Security Systems



South East – (Planned)

- Operational 2009 - Capacity ~30
- Focus : Technologies for Space Applications



Scotland – (Planned)

- Operational 2009 - Capacity ~10
- Focus : Informatics





EADS Innovation Works

Organized in Seven Technical Capability Centres

- ❑ Composites Technologies
- ❑ Metallic Technologies & Surface Engineering
- ❑ Structures Engineering, Production & Mechatronics
- ❑ Sensors, Electronics & Systems Integration
- ❑ Simulation, IT & Systems Engineering
- ❑ Energy & Propulsion
- ❑ Advanced Concepts



Composites technologies

Friction stir welding

Smart structures



Adv. structural modelling

Advanced concepts

EMC simulation



Cabin-air test rig

Virtual product engineering

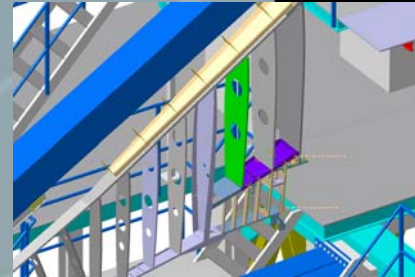
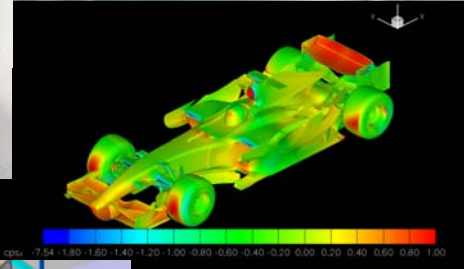
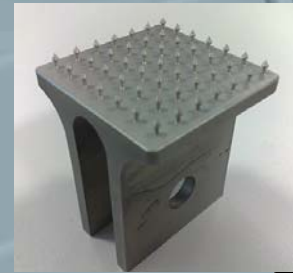


Microsystems

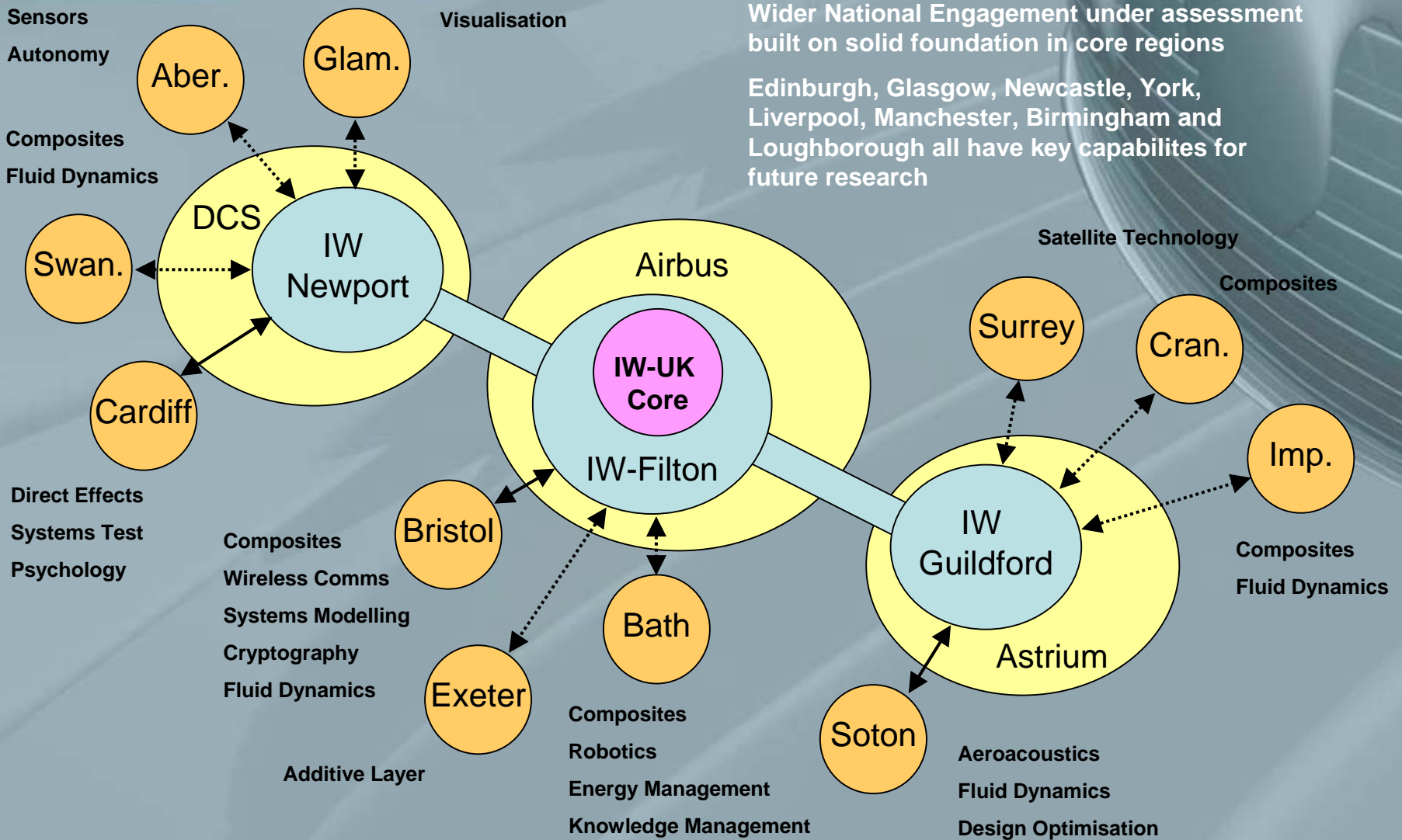


Key Technology Themes for UK

- Eight Different Business Units in UK
- Diverse Technical Drivers
- Common Themes
 - Secure telecommunications
 - Simulation of complex systems
 - Software engineering
 - Engineering advanced structures
 - Energy management and alternative power
- Differing Technology Lifecycles
- EADS IW UK to act as conduit to global network



EADS IW - UK Academic Partner Engagement



Range of Activities & Means of Engagement

- EADS has a growing corporate footprint across the UK
- Engagement in Wales is already strong
- Opportunities exist across a wide range of businesses e.g. ;
 - Telecoms
 - Security
 - Aerospace Platforms
 - Satellite Imagery
 - Utilities Management
 - Test Services
- Means of engagement and the timeframe to achieve it depends on the offering and the application
- We have the will to work with you and build the Knowledge Economy in Wales