

National Manufacturing Debate 2016

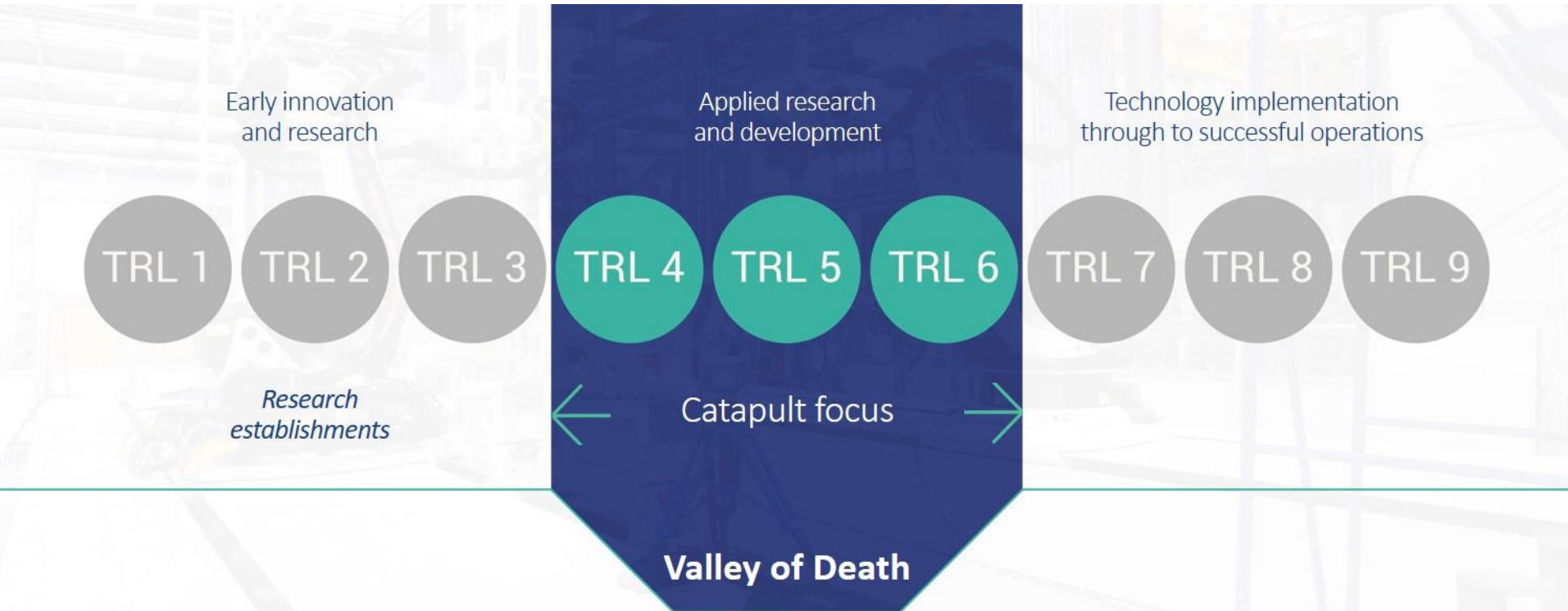
Digital Engineering and Digital Manufacturing: Increased Productivity and Growth

Phill Cartwright
Chief Technology Officer
High Value Manufacturing
Catapult

25 May 2016

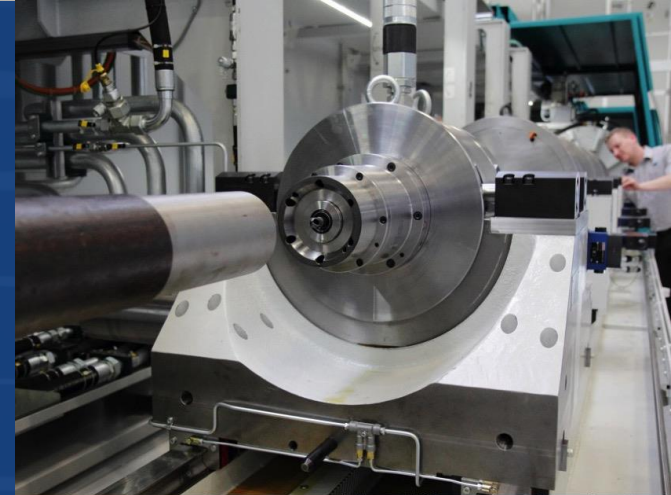


Market failure: Bridging the Valley of Death



The Catapults

- Network of technology and innovation centres
- Focus on areas where UK has inherent strengths and where market potential is significant
- Bringing the best of the UK's innovative businesses and researchers together to bring new products and services more quickly to commercialisation



HVM Catapult centres

CATAPULT
High Value Manufacturing

AFRC

CPI

Nuclear AMRC

AMRC

MTC

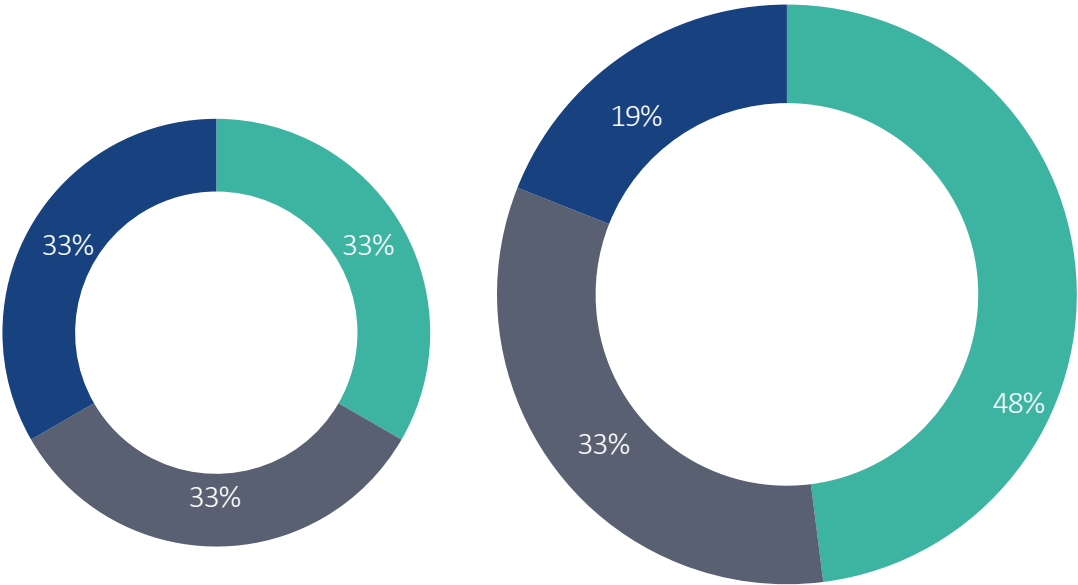
WMG

NCC



The Funding Model

- Core public funding
- Commercial
- Competitively won CR&D



What we do

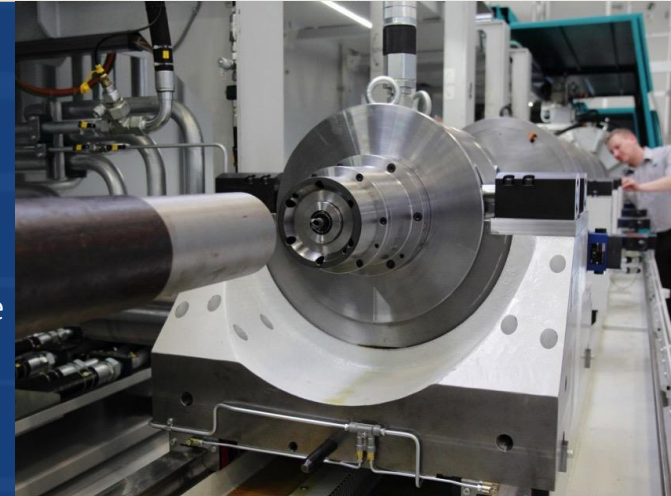
Drive growth of manufacturing

Help companies of all sizes incubate and develop new technologies to commercial reality

Take the risk out of innovation

Give business open access to:

- World class open sourced equipment
- The UK's best relevant research knowledge
- At elbow support from engineers, scientists, technicians
- An environment of collaboration and open innovation
 - Cross sector
 - Cross technology
 - Whole supply chain
 - Even among direct competitors



Who we help

→ High Value Manufacturing:

Specialised work, yielding highest rewards

High level of R&D intensity, leading to significant growth

→ Companies of all sizes

→ Companies from all sectors

Added value in helping the transfer of innovation between sectors

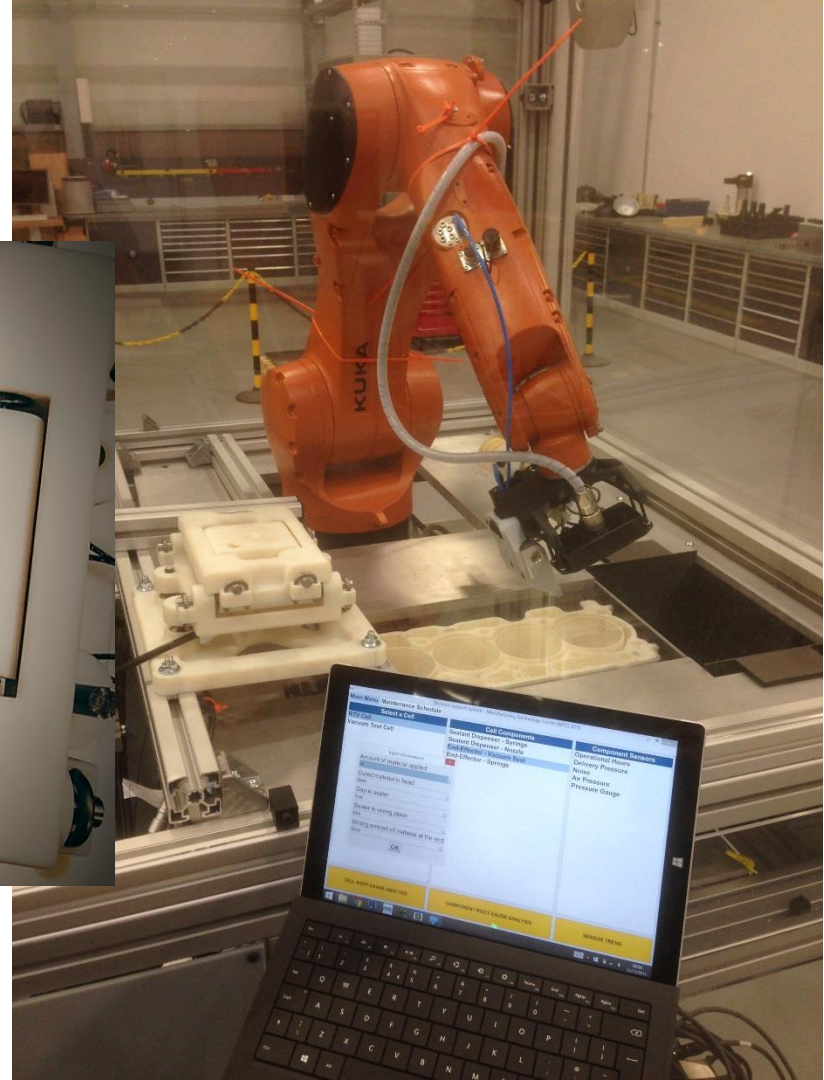
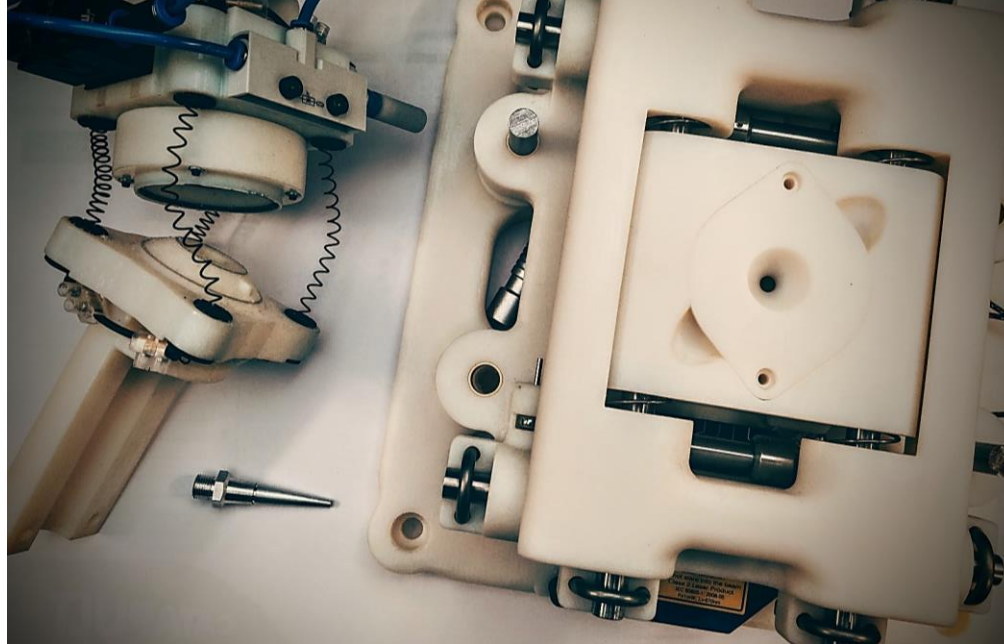


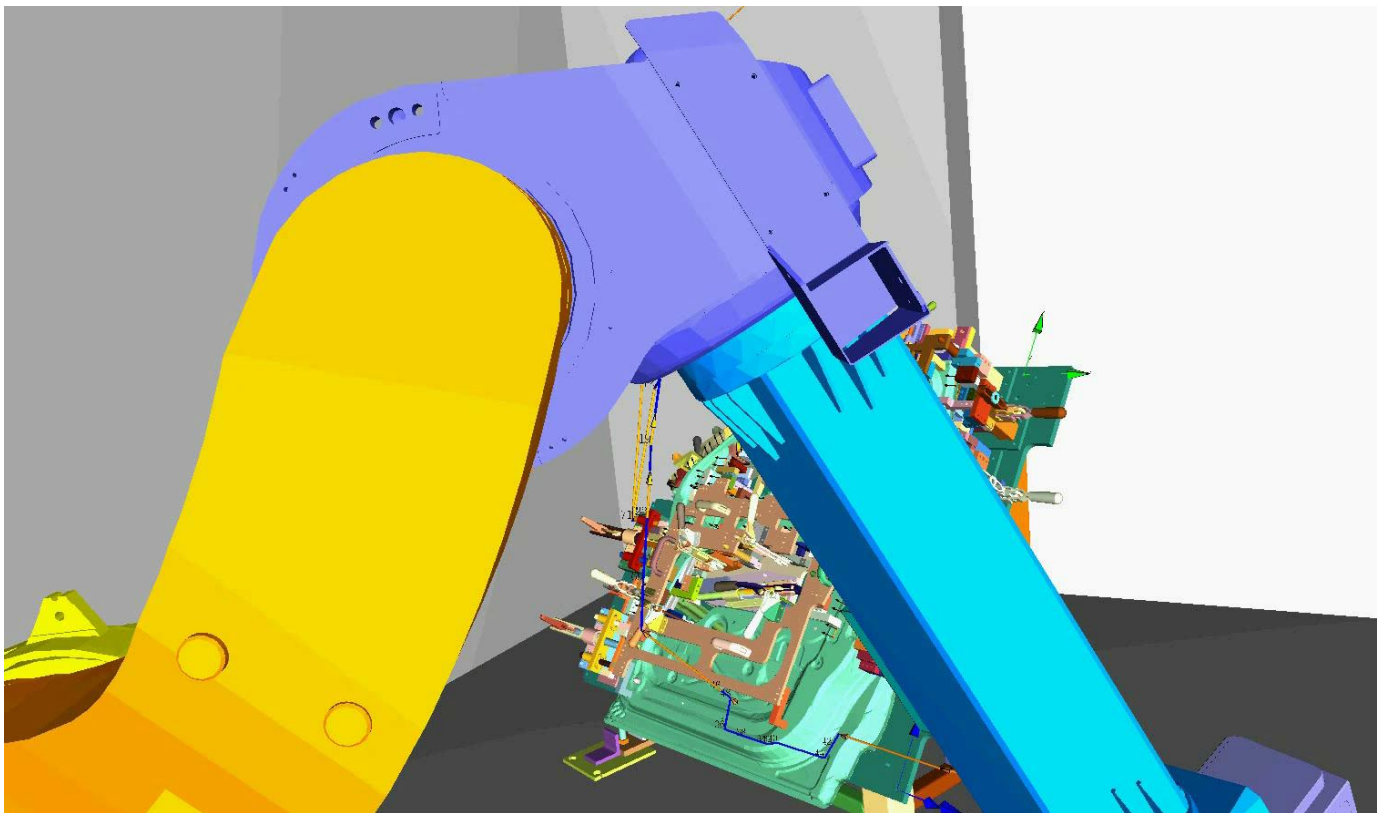
27 technologies

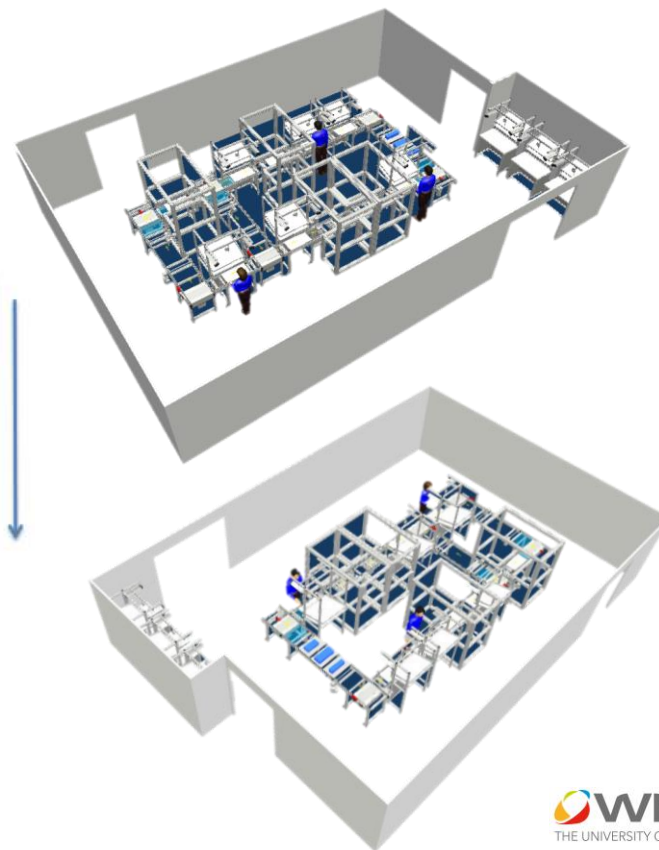
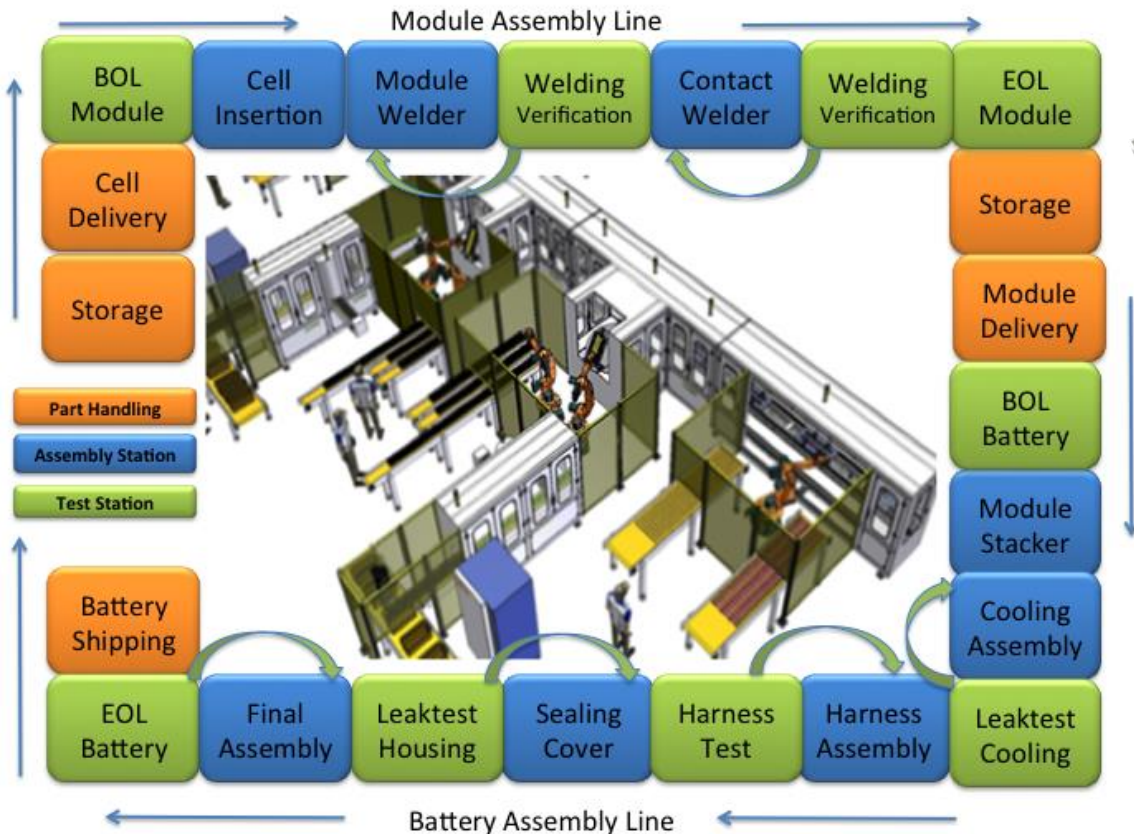
CATAPULT
High Value Manufacturing



SELSUS CELL







Industry clients of HVM Catapult centres



Academic Collaboration

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57 UK universities
24 international universities

More resources at:
www.hvm.catapult.org.uk

