

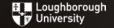
# WHO WE ARE

WHAT WE DO

## **BACKGROUND**

- Opened in 2011
- Independent RTO
- To bridge the valley of death
- Prove innovative manufacturing ideas
- Manufacturing system solutions
- Training



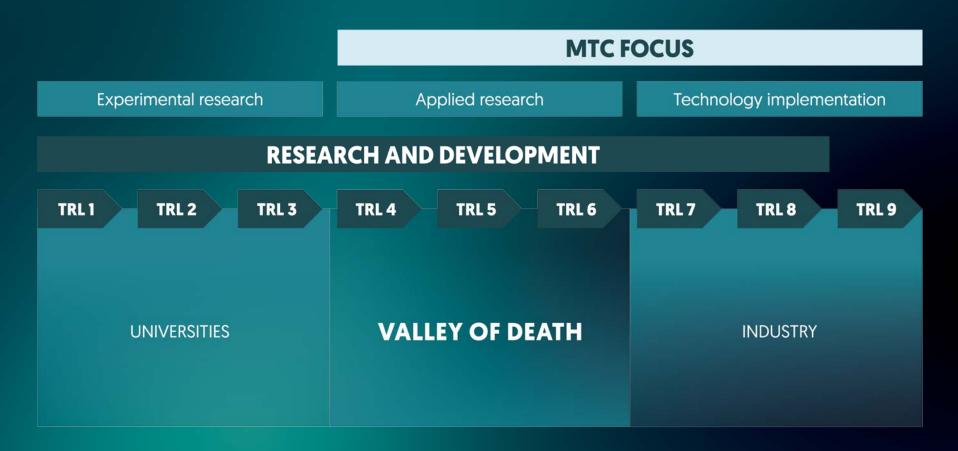








#### **BRIDGING THE VALLEY OF DEATH**

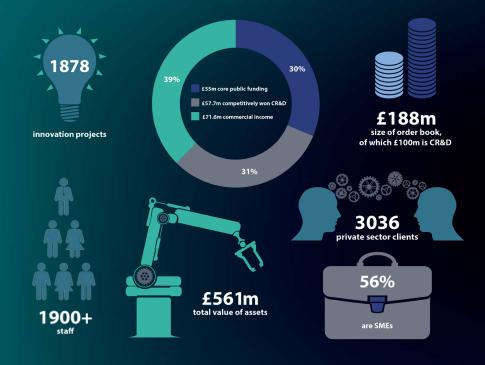


### **HVM CATAPULT**





WECD Economic Impact Evaluation study 2015.
The next economic impact study is due in 2017.



# **OUR MARKETS**



Aerospace



Energy



Automotive



Food and Drink



Construction and Infrastructure



Military and Defence



**Electronics and Computing** 



Oil and Gas

#### THE MTC APPROACH

ONE to ONE
Single client project

Government backed collaborative **R&D** projects

**MEMBERSHIP** 

Collaborative R&D project funded by members



- Five year commitment
- Access to research outputs across all themes
- Programme board seat (with voting rights)
- TAB board seat (with voting rights)













**SIEMENS** 

















- ▶ Three year commitment
- Access to research outputs within two themes
- Programme board seat (with no voting rights)
- TAB board seat (with voting rights)





























THALES











Panasonic BUSINESS

Johnson-Johnson

### TIER 3

- One year commitment
- Opportunity to get engaged in collaborative projects
- Opportunity to engage with major OEMs and other members





**Prodtex** 























HumiSeal\*





































alicona





























































# WHO WE ARE

# WHAT WE DO



#### WE WILL CONTINUALLY WORK TO:

1

Accelerate the UK's industrial growth

2

**Deliver innovation** 

3

Change the way businesses compete

Create and embed future skills

5

Maximise synergies within supply chains

# STRENGTHEN THE UK'S GLOBAL POSITION AND EXPORT POTENTIAL



Improve productivity

Invest more in R&D

Address the skills gap

Develop new market opportunities

Implement new technologies

### **INDUSTRY CHALLENGES**



You want to make something

at a lower cost better quality quicker in higher volume you've never made before



You want to assemble something to

minimise reject rate improve reliability improve consistency reduce waste reduce errors



You want to use data more effectively for improved design better quality efficient logistics new business models

## **MANUFACTURING INNOVATION**

Component Manufacturing

Assembly Systems





Additive Manufacturing



**Electronics Manufacturing** 



High Integrity Fabrication



Advanced Tooling and Fixturing



Non-Conventional Machining



**Robotics and Autonomous Systems** 



Design and Simulation



Manufacturing Informatics

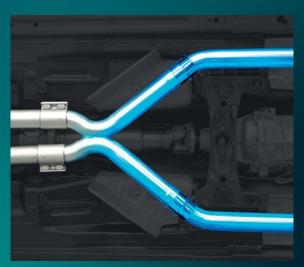


Metrology and NDT

# MANUFACTURING OPERATIONAL EFFICIENCY



Improving operational efficiency



Launching new businesses



SME REACH programme

# TRAINING AND DEVELOPMENT



Advanced engineering apprenticeship



Seeding UK employers



Engineer upskilling





The data contained in this document contains proprietary information. It may not be copied or communicated to a third party, or used for any purpose other than that for which it was supplied, without the MTC's prior written consent. ©MTC

