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

MTC FOCUS

Experimental research
Applied research
Technology implementation

RESEARCH AND DEVELOPMENT

TRL 1  TRL 2  TRL 3  TRL 4  TRL 5  TRL 6  TRL 7  TRL 8  TRL 9

UNIVERSITIES

VALLEY OF DEATH

INDUSTRY
WE WILL CONTINUALLY WORK TO:

1. Accelerate the UK’s industrial growth
2. Deliver innovation
3. Change the way businesses compete
4. 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
MANUFACTURING INNOVATION

Component Manufacturing
- Additive Manufacturing
- Non-Conventional Machining
- High Integrity Fabrication

Assembly Systems
- Advanced Tooling and Fixturing
- Electronics Manufacturing
- Robotics and Autonomous Systems

Data Systems
- Design and Simulation
- Manufacturing Informatics
- Metrology and NDT
INDUSTRY CHALLENGES

You want to make something
You want to assemble something to
You want to use data more effectively for

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

minimise reject rate
improve reliability
improve consistency
reduce waste
reduce errors

improved design
better quality
efficient logistics
new business models
WHY CONSTRUCTION?
INFRASTRUCTURE PRODUCTION SYSTEMS
TRANSFORMING CONSTRUCTION