

# The UK's Aerospace Technology Institute Investing in the future of UK Aerospace

Simon Weeks, Chief Technology Officer, Aerospace Technology Institute, UK



# The Aerospace Technology Institute

---



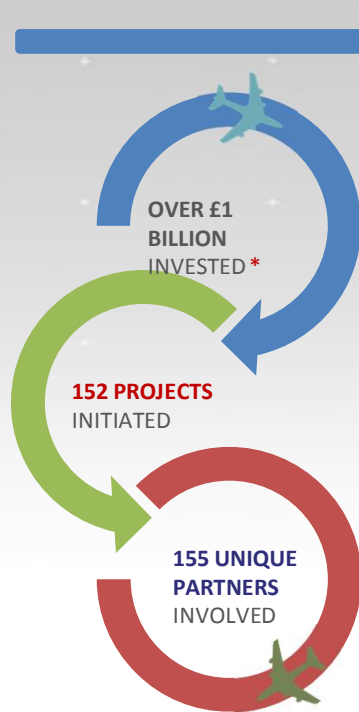
- The Aerospace Technology Institute (ATI) is the objective convenor and voice of the UK's aerospace technology community
- We define the national aerospace technology strategy
- We work closely with Government and industry to direct joint funding into aerospace R&T projects that align with the strategy
- We lead the UK's £3.9 billion aerospace technology programme



# The UK aerospace technology strategy



# The portfolio: headlines



THE MAJORITY OF LIVE PROJECTS INVOLVE BETWEEN **2 and 5 PARTNERS**, WITH **25%** OF PROJECTS



INVOLVING **5 OR MORE** INSTITUTIONS

**£3.8 million**



THE AVERAGE SIZE OF ATI GRANT FUNDING OFFERED TO PROJECTS TO DATE

**Over £500 million**

OF QUALIFIED PIPELINE DEMAND, WITH A FURTHER AMBITION OF OVER £300m

OVER **40%** OF ACTIVE PROJECT PARTNERS ARE UK-BASED **SMEs**, WITH **20%** OF TOTAL GRANTS ALLOCATED TO DATE SUPPORTING CRITICAL UK RESEARCH AND ACADEMIC

PROJECTS CURRENTLY IN ASSESSMENT HAVE THE POTENTIAL TO DEVELOP AND SUSTAIN UP TO



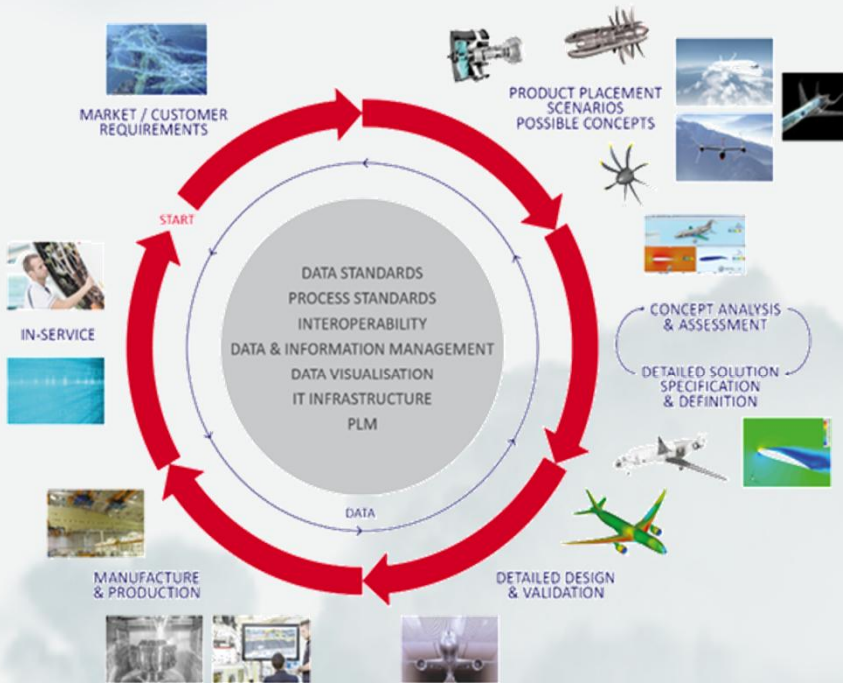
**12,000**

HIGH VALUE UK JOBS

**IN EXCESS OF £350 MILLION OF STRATEGIC PROJECTS IN ADVANCED STAGES OF EVALUATION:** DEVELOPING CAPABILITIES ACROSS 4 ATI VALUE STREAMS; 5 KEY ENABLERS AND 12 DIFFERENT LEAD COMPANIES

\*Grant funding + Industry commitment

# The Intelligent Industry



# Intelligent Manufacturing



- Internet of everything
- Flexible, adaptable manufacturing
- The collection, interpretation, and resulting action from 'data'
- Cross-Sectorial
- Standards and interoperability are critical





# Accelerating Intelligent Manufacturing in the UK



High Value Manufacturing Catapult Centres

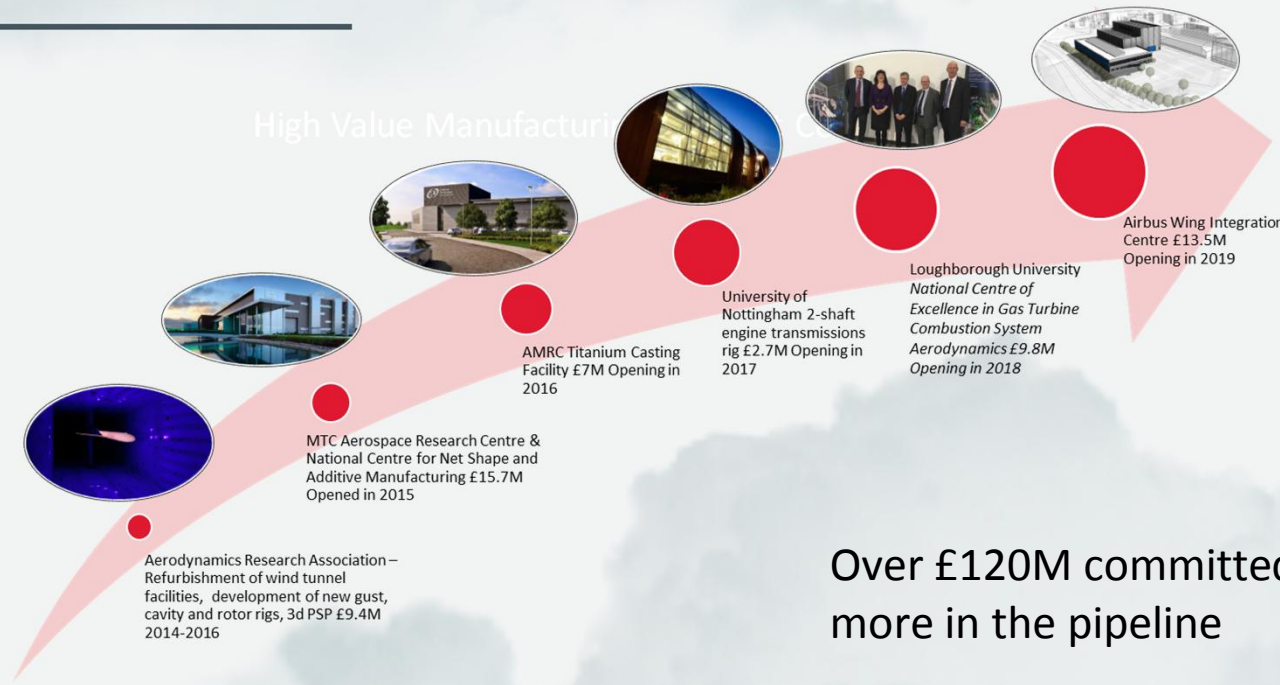
A central graphic shows a map of the United Kingdom composed of blue dots, with yellow dots indicating the locations of the High Value Manufacturing Catapult Centres. The map is surrounded by six inset photographs showing various manufacturing and research activities.

- AFRC**  
Advanced Forming Research Centre
- CPI**  
Centre for Process Innovation
- AMRC**  
Advanced Manufacturing Research Centre
- NAMRC**  
Nuclear Advanced Manufacturing Research Centre
- NCC**  
The National Composites Centre
- MTC**  
Manufacturing Technology Centre
- WMG**  
Warwick Manufacturing Group

**CATAPULT**  
High Value Manufacturing



# Investing in Infrastructure for Intelligent Industry



Over £120M committed, more in the pipeline

