Innovate UK

## Results of Competition:

**Competition Code:** **Aerospace Technology Institute - Strategic R&D Projects - Batch 19**
**1309_SPEC_TRA_ATI_batch19**

## Total available funding is £67m

**Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.**

| Participant organisation names | Project title | Proposed project costs | Proposed project grant |
|---|---|---|---|
| **ADS Group Ltd** | National Aerospace Technology Exploitation Programme (NATEP) | £14,460,000 | £8,000,000 |
| **Project description - provided by applicants** | | | |
| A UK-wide programme supporting collaborative technology development projects in the aerospace supply chain by providing grant funding and mentoring by technology experts. NATEP brings aerospace supply chain companies together in a collaborative way, enhancing their competitiveness to better enable them to win new work with existing customers and with new customers worldwide. The programme supports the objectives of the Aerospace Growth Partnership and Aerospace Technology Institute's national aerospace technology strategy. | | | |

**Note: you can see all Innovate UK-funded projects here**
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| **GE Aviation Systems Ltd**<br>NCC Operations Ltd<br>University of Sheffield - AMRC<br>The Manufacturing Technology Centre Ltd | Digital Propulsion (DigiProp) | £20,509,281 | £9,953,242 |

**Project description - provided by applicants**

The demand for cleaner, cheaper and yet more comfortable air travel is prominent in today's world of increasing passenger numbers. It is forecast that there will be an increase in turboprop aircraft satisfying the demand forshort and medium distances as the fuel savings compared to regional jets will outweigh the slight speed advantage they have. It is therefore essential that propulsion technology for turboprop aircraft continues to improve and contributes towards the goals established in the Aerospace Technology Institute's strategy and the Flightpath 2050 targets. Digital Propulsion is a project with world leading partners, led by Dowty Propellers that will ensure that UK organisations are leading the way for the world in this field. It will utilise the most up to date design and manufacturing methods to not only reduce costs, but also increase performance. Emitted noise will be reduced, improving the passenger experience. Futuristic blade design along with improved lighter control systems will contribute towards fuel savings. The most advanced manufacturing technology will be utilised to increase production while reducing the cost of manufacture. All of the work packages in Digital Propulsion will embed the Digital Thread. This is aweb of data that creates the manufacturing health record of machines, which includes data from everything to operator logs to weather patterns, and can be added to as needed. From the start of a customer engagement, through manufacturing at GE's "Brilliant Factories," to the servicing of our products, we're weaving together our processes and technology for productivity gains.

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|---|---|---|---|
| **University of Sheffield - AMRC** | PERFORM (Disruptive Textile Technology for Aerospace Applications) | £3,276,447 | £3,276,447 |
| **Project description - provided by applicants** | | | |
| The University of Sheffield's Advanced Manufacturing Research Centre (AMRC) is requesting funding from the Aerospace Technology Institute to purchase new state-of-the-art equipment for the AMRC Composite Centre. This equipment will be used by the AMRC and industrial partners to strengthen the UK's competitive edge in world markets in composites and aerospace. | | | |

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