

Innovate UK

Results of Competition: Aerospace Technology Institute - Strategic R&D Projects - Batch 15
Competition Code: 1309_SPEC_TRA_ATI_batch15

Total available funding for this competition was £31,885,000 from Innovate UK (on behalf of BIS)

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
Rolls-Royce PLC University of Strathclyde - AFRC University of Sheffield - AMRC	2: Manufacture of Advanced Materials	£18,939,284	£9,470,142
Project description - provided by applicants			
This project will accelerate the development of technologies that enable the manufacture of aerospace components made from advanced materials. The early focus on these technologies will ensure high productivity processes are established at an appropriate pace to allow competitive industrialisation for future engine products. The work packages will be developed by Rolls-Royce working in partnership with the HVM CATAPULT Centres, the Advanced Forming Research Centre and the Advanced Machining Research Centre.			

Note: you can see all Innovate UK-funded projects here

<https://www.gov.uk/government/publications/innovate-uk-funded-projects> Use the Competition Code given above to search for this competition's results

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Rolls-Royce PLC NCC Operations Ltd	7: High Performance Carbon Titanium Fan Blade Manufacturing	£19,604,869	£9,802,435
Project description - provided by applicants			
This project aims to strengthen the competitiveness of UK high value manufacturers by delivering and demonstrating breakthrough composite manufacturing technologies. The workpackages will be developed by Rolls-Royce working in partnership with the National Composites Centre (NCC) and utilising the UK manufacturing supply chain.			

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Rolls-Royce PLC The Manufacturing Technology Centre University of Sheffield - AMRC University of Birmingham	5: Enhanced Turbine Manufacture for Performance and Cost	£16,311,992	£8,155,995
Project description - provided by applicants			
This project will develop high product efficiency and high productivity turbine manufacturing methods. It will include machining, coating, modelling and inspection technology development. The work packages will be developed by Rolls-Royce working in partnership with the Manufacturing Technology Centre, the Advanced Manufacturing Research Centre, the University of Birmingham and using the UK manufacturing services supply chain.			

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Rolls-Royce PLC The Manufacturing Technology Centre University of Sheffield - AMRC University of Birmingham	1: High Performance Rotating Components	£8,957,206	£4,478,603
Project description - provided by applicants			
This project will develop technologies for the manufacture of gas turbine discs, blisks and rotating assemblies. Innovative modelling, manufacturing process optimisation and efficient validation regimes will be developed to significantly enhance current and future engine designs. The work packages will be developed by Rolls-Royce working in partnership with the Manufacturing Technology Centre, the Advanced Manufacturing Research Centre and the University of Birmingham and utilising the UK manufacturing services supply chain.			

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