

Results of Competition: UK Aerospace Research and Technology Programme: Batch 29

Competition Code: 1309_SPEC_TRA_ATI_BATCH29

Total available funding is £150,000,000

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
WILLIAMS ADVANCED ENGINEERING LIMITED	AIRTEK - Lightweight aircraft interior structures	£1,009,937	£434,273
BRITISH AIRWAYS PLC		£0	£0
JAMES PARK ASSOCIATES LIMITED		£221,050	£154,735
SWS CERTIFICATION SERVICES LTD		£131,806	£92,264

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

Project description - provided by applicants

Williams Advanced Engineering has formed a collaboration with JPA Design, SWS Certification with support from Airbus and British Airways to develop new lightweight aircraft seat structures in order to reduce the weight of aircraft which will lead to airlines saving fuel and CO2.

Successful development of our concepts will lead to new UK manufacturing business in seat structures for supply to a range of global aircraft seat manufacturers and airframers.

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

Results of Competition: UK Aerospace Research and Technology Programme: Batch 29

Competition Code: 1309_SPEC_TRA_ATI_BATCH29

Total available funding is £150,000,000

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
Q5D TECHNOLOGIES LIMITED	LiveWire	£422,258	£211,129
C ENTERPRISE (UK) LIMITED		£647,363	£323,682
M-SOLV LTD		£408,846	£204,423
ONEPLM LIMITED		£66,928	£33,464
Safran SA		£124,975	£0
University of Sheffield		£197,260	£197,260

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

Project description - provided by applicants

Wiring in aircraft, cars and many consumer electrical goods is done by hand. It is an expensive and laborious process that is prone to errors that can cause failures and sometimes even fires. The LiveWire project will create a machine that can automate manufacture and embed wiring into a component, such as: an airline seat, or a wall or floor panel, or perhaps a control panel in the flight deck. This will reduce cost and make lighter, higher-quality components. The technology will provide new employment opportunities in the UK and on-shore jobs lost to the fair-east.

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

Results of Competition: UK Aerospace Research and Technology Programme: Batch 29

Competition Code: 1309_SPEC_TRA_ATI_BATCH29

Total available funding is £150,000,000

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
GKN AEROSPACE SERVICES LIMITED	Advanced Inlet Systems Architecture (AISA)	£3,032,321	£1,273,575
AXON CABLE LIMITED		£303,576	£151,788
TRACKWISE DESIGNS LIMITED		£275,447	£137,724
University of Nottingham		£397,480	£397,480

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

Project description - provided by applicants

The AISA project advances the development of advanced active inlet systems, primarily focussed on the delivery of a smart, ice protected environmental control system scoop intake and actuated front flap FOD protection system. The project integrates a series of innovative technologies, including; smart controlled electro-thermal ice protection systems, passive acoustic abatement technology and advanced coating technologies, flexible wire harness assemblies and miniaturised connectors. The project also develops a high rate, highly productive manufacturing capability.

The work packages will be developed by GKN Aerospace working in partnership with the University of Nottingham, Trackwise Designs and Axon Cable Ltd.

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

Results of Competition: UK Aerospace Research and Technology Programme: Batch 29

Competition Code: 1309_SPEC_TRA_ATI_BATCH29

Total available funding is £150,000,000

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
BOEING UNITED KINGDOM LIMITED	Fully Fibre Optic - Fuel Quantity Indication System (FQIS)	£2,401,402	£912,533
ADVANCED FIBROPTIC ENGINEERING LIMITED		£2,453,011	£1,471,807

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

Project description - provided by applicants

Existing fuel quantity measurement systems are safe and extremely reliable, but with less metallic material in future generation commercial aircraft wings the removal of any electrical conductors (wires) and electrical power sources from the wings and fuel tanks is extremely attractive. The Boeing FQIS project builds on two years technology research with AFE Ltd from Carterton to develop a fuel measurement system that removes the need for electrical power inside the fuel tanks, while also removing the need to have electrical conductors in the aircraft wing.

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

Results of Competition: UK Aerospace Research and Technology Programme: Batch 29

Competition Code: 1309_SPEC_TRA_ATI_BATCH29

Total available funding is £150,000,000

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
SAFRAN ELECTRICAL & POWER UK LTD	Aerospace Electric Propulsion Equipment, Controls & machines (AEPEC)	£13,990,096	£6,995,048
3D SYSTEMS EUROPE LIMITED		£977,916	£488,958
3T RPD LIMITED.		£1,730,799	£865,400
MEP LTD		£1,099,956	£549,978
MIDLAND TOOL AND DESIGN LIMITED		£2,009,396	£1,004,698
OXIS ENERGY LIMITED		£4,565,767	£2,282,884
TT ELECTRONICS PLC		£1,297,695	£648,848
University of Bristol		£911,307	£911,307

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

Project description - provided by applicants

Safran Power UK will work with its supply chain partners on all aspects of electrical power systems and energy useage on future technology aircraft.

Scope will cover Generation, Control, Starter-Generator function and electrical actuation for More Electric Aircraft, and variants in Regional Jets, Biz Jets and advanced Rotorcraft.

As the technology developed for electrical machinery and associated control electronics is intrinsically modular, scaleable and flexible, the partnership's work programme will also address aspects of Electrical Hybrid Propulsion for Vertical and Conventional take-off-and landing vehicles.

The partnership will develop and invest in the UK industrial capability for these future market segments.

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