

Guidance: Hinkley Point C: wider benefits realisation plan

Hinkley Point C will provide low carbon electricity to 6 million homes; beyond this there are many wider benefits from this large infrastructure project during its 10 years of construction.

This wider benefits realisation plan sets out what these benefits are and how they will be delivered.

Corporate report: UK Co-ordinating Body Annual Report:2017 to 2018

UK Co-ordinating Body Annual Report 2017/18

This Annual Report outlines the UK Co-ordinating Body's constitution, objectives and performance indicators, and its performance against Business Plan targets.

It also gives information of the UK Co-ordinating Body's:

- resources, staffing and structure
- corporate governance and risk management
- harmonisation and competent authority activity
- management board membership
- governance statement

The report has details of the UK Co-ordinating Body groups, including:

- Paying Agency Director's Forum (PADF)
 - Paying Agency Co-ordination Board (PACB)
 - Accounts and Finance Working Group (AFWG)
 - Information and Technology Working Group (ITWG)
 - United Kingdom Accreditation Compliance Committee (UKACC)
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Press release: Lift off for electric

planes – new funding for green revolution in UK civil aerospace

- UK to be at forefront of next revolution in electric and hybrid planes – benefiting passengers and the planet
- £343 million government and industry investment for research and development and productivity improvements to transform the future of civil aerospace and continue the UK's status as a pioneering aerospace nation
- the government launches negotiations with industry on a new Aerospace Sector Deal, as part of the modern [Industrial Strategy](#)

The UK's world-leading aerospace sector will be propelled into a new era of cleaner, greener flight through industry and government investment, the Business and Energy Secretary announced today at the 2018 Farnborough International Airshow.

From the total investment, £255 million – supported by the Aerospace Technology Institute (ATI) and UK Research & Innovation (UKRI) – will go towards 18 new research and technology projects, including the development of cleaner and greener hybrid aircraft. To support small and medium-sized companies, £68 million of the funding will be made available to increase research and development opportunities, with £20 million to drive improvements in long-term productivity across the sector.

The projects will not only help maintain the UK's existing strengths in aerospace but also position the UK as a world leader for some of the most technologically advanced aircraft that will transform the face of aviation including electric aircraft, hybrid-electric propulsion systems, and future materials for aircraft manufacturing.

A major beneficiary of the latest research and development funding is the revolutionary E-Fan X project. The project brings together Airbus, Rolls-Royce and Siemens to develop a flying electrical demonstrator which will form the foundation for future electrical aircraft and help the aerospace sector to manufacture cleaner, quieter aircraft and grow the industry sustainably. Rolls-Royce's ACCEL project will also lead a UK programme to accelerate the electrification of flight which will contribute to the UK's aim to cut emissions through its [Clean Growth Strategy](#).

Business and Energy Secretary Greg Clark said:

The UK has a rich heritage in civil aviation as the home of the jet engine and the wings factory of the world. Technology is driving revolutionary changes in aviation that have not been seen since the 1970s and today's investment is foundational to the future of commercial aviation and ensuring the UK remains at the cutting-edge of the sector. This revolution in civil aerospace will bring

significant benefits to UK industry, passengers and the environment.

Through our modern Industrial Strategy, we are working with industry to lead the world as we embark on this journey into the new age of air travel.

This funding will also support a number of projects on the next generation UltraFan® aero engine, led by Rolls-Royce, which will contribute to their biggest shift in engine architecture since the 1970s. It will transform flight, setting new benchmarks in fuel efficiency, CO2 reductions and significant cut backs in engine noise.

Aviation Minister Baroness Sugg said:

The development of quicker, quieter and cleaner aircraft will transform the UK's transport market and open up new and more sustainable ways for passengers to travel between our cities and regions and across the globe. Developing innovation, technology and skills is a core part of the government's Aviation Strategy and this funding will help us to ensure that the UK aviation sector continues to be a world leader in this area.

Backing our world-leading aerospace sector, the Business and Energy Secretary also announced the start of formal negotiations for an Industrial Strategy sector deal that will further increase business investment in the UK, with discussions expected to conclude before the end of the year. The deal will:

- explore investment opportunities around electrification and high-value design
- raise productivity levels in the supply chain
- and boost skill levels in the sector

The latest wave of projects to win the competitive funding underlines the significant importance of the £3.9 billion joint research and development funding commitment in the sector as part of the Industrial Strategy.

The government also welcomed the completion of Bombardier and Airbus' Joint Venture; a partnership that will support the development and manufacture of structures for the A220 jet at the Bombardier facility in Belfast.

Notes to editors

Further information about BEIS' Farnborough commitments.

Research and development investment

Projects supported by joint government and industry investment include:

Airbus, Rolls-Royce, Siemens

- E-FAN X (ELECTRIFICATION), £58 million project

A partnership between Airbus, Rolls-Royce and Siemens to develop a flight demonstrator for hybrid-electric propulsion for commercial aircraft. Hybrid-electric technology will deliver improved environmental performance that is cleaner, quieter and introduce re-evaluations of the entire design of aircraft.

Rolls-Royce

- series of projects on ULTRAFAN®, and ACCEL, worth a total of £70 million

4 projects on engine technologies for UltraFan involving multiple partners including universities and smaller companies. A new generation of aircraft engine that aims to transform flight, setting new benchmarks in efficiency, environmental performance and precision engineering. ACCEL is intended to accelerate the adoption of electrical technology in aviation through the design build and flight test of a high performance electric powertrain.

Bombardier

- Competitive Composite Manufacturing Process (CoCoMaP), FANTASTIC (Nacelle) and OptiComp (Wing project), £32 million project

3 research projects exploring more efficient manufacturing processes, new technology for engine covers (nacelles) and the application of composite material to large aerospace structures, such as wings and fuselage. All 3 projects will be led by Bombardier Belfast (Shorts).

GKN

- CO-MET (COmposite and METallic) £9.7 million

This project will help GKN develop new aerostructure components for aircraft upgrade opportunities and new programmes.

Airbus

- Future Landing Gear, £16 million project

This project aims to reduce cash operating costs by 2% through increased efficiency and reduced turn-around times.

National Composite Centre Operation Limited

- £44 million for 3 projects

3 projects with National Composite Centre, part of High Value Manufacturing Catapult, to develop new, more efficient ways of producing large composite aerostructures. The research will explore the use of new composite materials as well as the manufacturing process.

University/Research Organisations projects – total £26 million for 3 projects

- University of Oxford

Infrastructure for the University of Oxford Osney Thermo-fluids Laboratory (OSNEY Upgrade). The Oxford Thermo-fluids Institute is part of Oxford University's strategic investment in the UK's science base. The laboratory is a global centre of excellence for turbomachinery research which has made significant contributions to the technology of jet engines over the last 3 decades. This grant will be used to achieve a step change in capability to measure and research the cooling performance and hot stage technologies essential for the operation of high pressure (HP) turbine stages of Large Civil Engines.

- University of Sheffield

PERFORM (Disruptive Textile Technology for Aerospace Applications): Perform is a project with the University of Sheffield's Advanced Manufacturing Research Centre (AMRC), part of the High Value Manufacturing Catapult. The research will develop new composite material and efficient manufacturing processes.

- The Welding Institute Limited

OAAM (Open Architecture Additive Manufacturing): the Welding Institute, an engineering research and technology organisation, is taking the lead in the Open Architecture Additive Manufacturing (OAAM) project to demonstrate the ability to manufacture large metallic components via Additive Manufacturing (AM) (also known as 3D printing) for the benefit of UK Aerospace.

Government and industry support for SMEs

£68 million joint industry and government investment for new research and development opportunities targeted to support small and medium-sized businesses. An open competition supported by UKRI will back SMEs to carry out new research on high risk, high reward solutions that will help UK companies grow their capability for the long-term.

There will also be further rounds of the successful National Aerospace Technology Exploitation Programme to help SMEs develop new technologies. SMEs will also be able to increase their productivity through a new improvement programme that will increase their ability to win new work with new and

existing customers. A new partnership between the UK and Sweden will also see the 2 countries collaborate on technological research.

Defence Enterprise Export Partnership

The Defence Enterprise Export Partnership (DEEP) is a joint government, industry and academic initiative led by the Defence Growth Partnership (DGP) to ensure that the UK generates the skilled personnel able to lead successful international defence export campaigns. The initiative will support the Industrial Strategy by driving export-led growth and ensuring that the UK retains vital skills.

Press release: Operation CLAMPDOWN and licence blitz target illegal fishing

The close season campaign was supported by nearly 500 volunteers from the Voluntary Bailiff Service (VBS), whose 'eyes and ears' coverage on the riverbank is invaluable in supporting Environment Agency Fisheries Enforcement Officers.

The volunteer bailiffs undertook 6555 man hours of patrols as part of Operation CLAMPDOWN 6, reporting 111 incidents to the Environment Agency and 34 to the police. A total of 77 intelligence logs were submitted to the Environment Agency and police.

The latest national fishing licence blitz, covering the first two weekends of the new season, checked 1461 licences and reported 88 fishing illegally without a licence. Those found guilty of unlicensed fishing by the courts face a criminal conviction and a fine of up to £2500.

Graeme Storey, Fisheries Manager, Environment Agency said:

Environment Agency fisheries enforcement patrols continue all year round. Anyone tempted to fish illegally should know that they are likely to be challenged at any time of the day or night. With the support of our partners and the VBS there is an increased likelihood of being caught out – don't risk it.

Dilip Sarkar MBE, National Enforcement Manager with the Angling Trust said:

This is our most successful Operation CLAMPDOWN yet, with a record number of volunteers trained and available and over 70 joint patrols with the Environment Agency or police. The VBS is now making a tangible contribution to tackling illegal fishing, which

is welcomed by the Angling Trust and our partners.

For more information on the Voluntary Bailiff Service and the six free Fisheries Enforcement Workshops that will be held around England this autumn, please go to the [Angling Trust's website](#).

- Enjoy fishing and make sure you fish legally
- Annual fishing licences from only £30
- It's easy to buy online. [Get a Fishing Licence](#)
- All fishing licence income is used to fund work to protect, improve and develop fisheries, fish habitat and angling.
- Go fishing – Find out about angling events, fisheries and venues so you can [go fishing](#)

Press release: Flood wardens needed in Northumberland town

Teams of volunteer Flood Wardens across the North East are playing a vital role in helping protect their communities.

The eyes and ears on the ground, they act as a link between the Environment Agency and communities at risk – getting vital information out to local residents.

And now the Environment Agency is calling on people to play their part in Ponteland.

At the River Pont in Ponteland there are 520 properties in the flood warning service area, with 69% of people signed up to receive free flood warnings.

And at the River Pont at Darras Hall, Kirkley Mill and Prestwick Carr there are 57 properties in the flood warning service area, with 33% of people signed up.

Flood Wardens play 'vital role'

Colin Hall, who is the Environment Agency's Flood Community Engagement Officer for Northumberland, is working with Ponteland Town Council. He said:

Being flooded is absolutely devastating and Flood Wardens play a vital role in supporting their community before, during and after a flood event.

It includes things such as checking water levels, reporting blockages in the river and monitoring weather forecasts to be a

step ahead of a flood.

We also work with them to develop a Community Flood Plan, with key contacts and responsibilities to carry out in the event flooding takes place.

The local knowledge that wardens can provide on the ground is invaluable and helps communities be more flood resilient.

Raise awareness of flooding issues

Flood Wardens help ensure the Environment Agency's flood warning messages reach the local community and are acted upon, and have a direct line through to the Environment Agency's Area Incident Room in Newcastle.

Outside of a flood event, they can help raise awareness of flooding issues in the local community, encourage people to register to receive free flood warnings and provide information to partners about vulnerable people or properties in the flood plain.

Anyone interested in becoming a Flood Warden or for help creating a Community Flood Plan contact Colin.Hall@environment-agency.gov.uk or call 020 7714 0547.

Residents can also sign up to receive flood warnings and find out what action they can take to protect themselves and their property by visiting the [Environment Agency website](#)