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Tempest - innovation for UK security and prosperity

Tempest is the only solution that can create maximum benefit to the UK and its partners; delivering military capability priorities; supporting our international standing; generating economic prosperity and sustaining industrial capability through effective international partnering.



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Team Tempest is made up of industry partners BAE Systems, Rolls-Royce, Leonardo and MBDA, working with the RAF's Rapid Capabilities Office and the UK Ministry of Defence.

Employment

- There are currently more than 2,000 people working directly as part of Team Tempest across the industry partners and Ministry of Defence.
- More than 1,000 apprentices and graduates have been recruited across the Team Tempest partners since 2018.
- 28% of the BAE Systems' Tempest workforce is under 35 and 19% of apprentices are female.

Economic Value

- The Tempest programme is expected to deliver significant benefits to the UK over the full lifetime of the programme, benefiting all regions of the UK, including Scotland and Northern Ireland.
- According to an economic impact assessment by PwC, commissioned by the Team Tempest partners*:
- The Tempest programme is expected to deliver £26.2bn economic contribution between 2021 and 2050.
- The Tempest programme is expected to provide long term critical sovereign capability in areas such as design and development of combat air systems, through the sustainment of high value jobs and support on average 21,000 workers per year from development to operational service (2026-50).

- Tempest will create high productivity employment, with an average GVA per worker 78% higher than the UK national average and 42% higher than the UK manufacturing average.
- The work of the four partners and their supply chain in support of UK Combat Air activities as a whole is expected to contribute £100.1bn to the UK economy between 2021 and 2050, and support on average 62,000 workers per year between 2026 and 2050.
- The impact of the Tempest programme will be felt across all regions of the UK including Scotland and Northern Ireland, with 70% of the value in the North West, the South West and East of England.
- Regional GVA per worker for the Tempest programme is 31% higher than the North West manufacturing average, 24% higher than the South West manufacturing average and c. 60% higher than the East of England and Scotland manufacturing average.

International Partnerships

- We are highly experienced at developing enduring and successful international partnerships and exports that go beyond defence and underpins the UK's international standing.
- We want the best players involved and see this being best achieved through collaborative international partnerships which will develop a flexible, affordable and exportable product from which customers can develop their own national standards.

- The Trilateral MoU signed between UK, Swedish and Italian governments signals a strengthened collaboration between the three nations and a shared goal of developing a world leading future combat air system.

Partnering with UK expertise

- We are harnessing the UK's innovation and technical expertise across our world class research universities and businesses. Team Tempest will deliver sustainable growth in skills and experience to the UK's academic and industrial workforce.
- The four core partners have already engaged with more than 600 suppliers, SMEs and academic institutions across the UK. Regional investment and collaboration will unlock industrial digitalisation and improve the performance of manufacturers across the North of England.

Transformation

- The programme is investing in Artificial Intelligence, machine learning and other ground-breaking technologies, whilst also supercharging more traditional techniques to respond to the evolving character of warfare.
- We are leading our industry through radical transformation, ensuring we can do things faster and in a far more affordable way.
- The programme will drive new ways of working and innovation and will require the brightest minds to design and deliver a complex system able to operate in a dynamic and congested battlespace.

*The PwC report 'Assessment of the expected economic impact of the Tempest Programme (2021-2050), May 2021' was prepared for BAE Systems (Operations) Limited and solely for the purpose and on the terms agreed with BAE Systems (Operations) Limited. PricewaterhouseCoopers LLP accepts no liability (including for negligence) to anyone else in connection with the report.

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