



*“With continued growth in aircraft orders there’s certainly no shortage of work for a long time to come. So it’s exciting times, but attracting tomorrow’s engineers, training the existing core and losing an aging workforce remain daily challenges for which we must continue to find solutions.”*

**Steve Howard, Operations Director**

# Aviation overview & outlook

Summer 2017



# Aviation overview



There are currently **128,000** people employed in the UK aviation industry, with **26,000** in research, design and engineering, and more than **50,000** in its supply chains.

**60%** of aerospace companies offer apprenticeships today compared with only **15%** in 2009.

The UK is Europe's largest aerospace cluster and manufacturer, and second only to the United States globally.

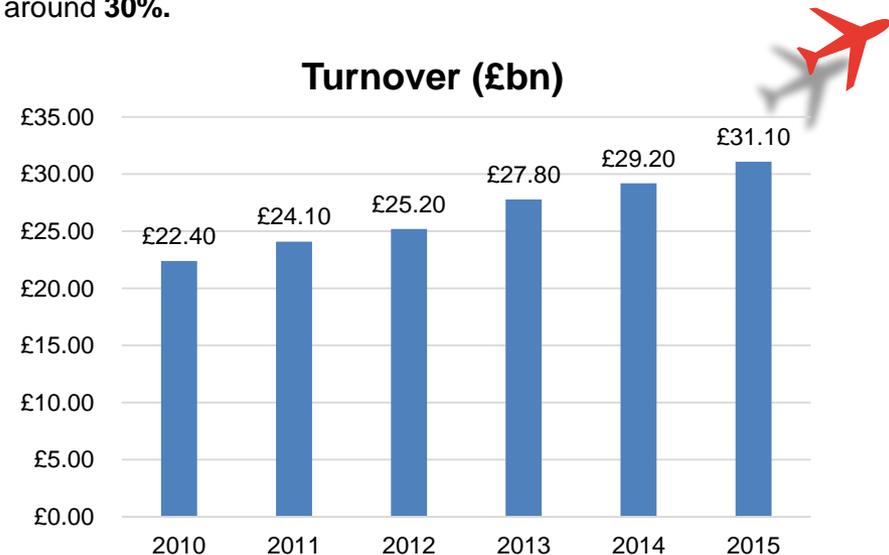
The UK has a strong aviation footprint with the likes of **Airbus**, **BAE Systems**, **GE Aviation** and **Rolls-Royce** to name a few. However, following the recent **Carbon60 Aviation salary survey**, it appears that the majority (**95%**) of workers in the industry are more than happy to relocate for work.

Aviation creates annual revenues of over **£31 billion**, of which nearly **90%** is from exports.

Aerospace is a highly R&D-intensive industry and accounts for over **10%** of all R&D investment in UK manufacturing working out to be **£1.7 billion**.

New aircraft deliveries in the first quarter of 2017 have achieved a record value of up to **£6.5 billion** to the UK industry. This is an increase of **£1 billion** on 2016, driven by a **10%** rise in deliveries of wide-body aircraft.

Between 2010-2015, productivity in UK Aerospace grew by around **30%**.



Source: Oxford Economics, ADS and ONS



# Aviation outlook



There are **13,452** aircraft remaining on global order books worth **£220 billion** to UK industry.

More than **50%** of UK Aerospace companies are expecting to see growth of more than **10%** which is likely to be driven by export opportunities in North America and the Middle East.

Global commercial aircraft delivery rates are set to increase by **8%** over the next five years with companies investing in capacity to meet demand.

A new rocket test facility is being built in Buckinghamshire by rocket specialist **Reaction Engines**.

The facility could speed up the development of space planes and hypersonic aircraft that could reduce international travel times significantly. The facility will be used to carry out the first ground tests of the firm's **SABRE** engine, and will pave the way for flight tests of this potentially game-changing propulsion technology.

**1 in 6** businesses are concerned about skill shortages in design and R&D which will have an effect on future innovation.

## Digital air traffic control tower

London City Airport will replace its existing control tower with an advanced digital system that can be controlled remotely from a new base. This will be the first airport in the UK to operate a digital air traffic control tower.

When it's operational in 2019, it will use advanced cameras and sensors to gather data from the airfield and provide a live feed via a secure and superfast fiber network to a new control room at the National Air Traffic Services (NATS) centre in Hampshire.

The technology has been developed by Saab Digital Air Traffic Solutions, and is already in use at Örnköldsvik and Sundsvall airports in Sweden.



67% of UK manufacturers are worried about the future availability of skilled staff for their business





Carbon60 is a specialist in providing flexible and cost effective engineering and technical people solutions on an international scale. We work in partnership through a combination of recruitment, managed services and outsourced projects to help connect the best industry professionals and teams to dynamic businesses across aviation, construction, engineering and technology.

## Contact us

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