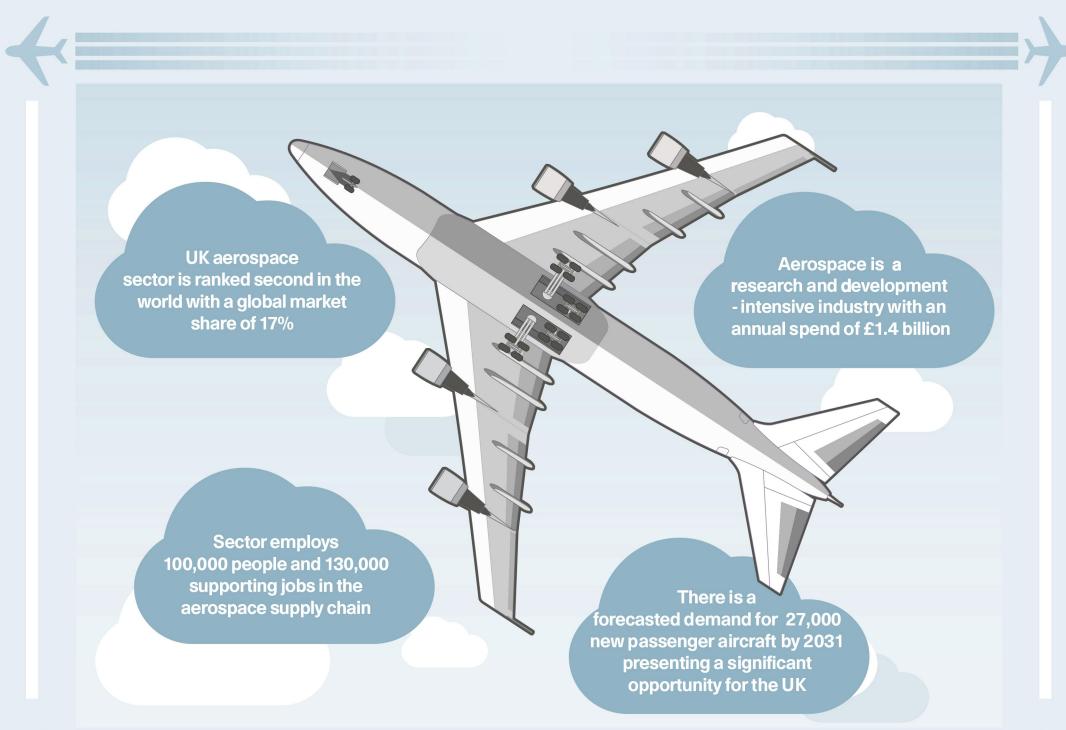


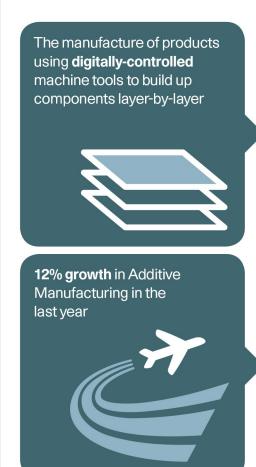
## Technology and skills in

# Aerospace

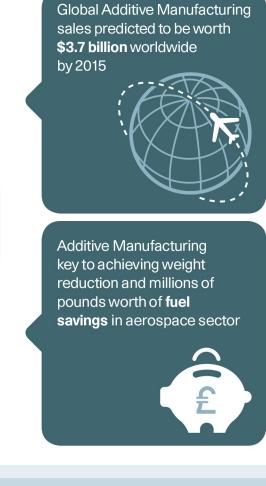


# Technologies in aerospace









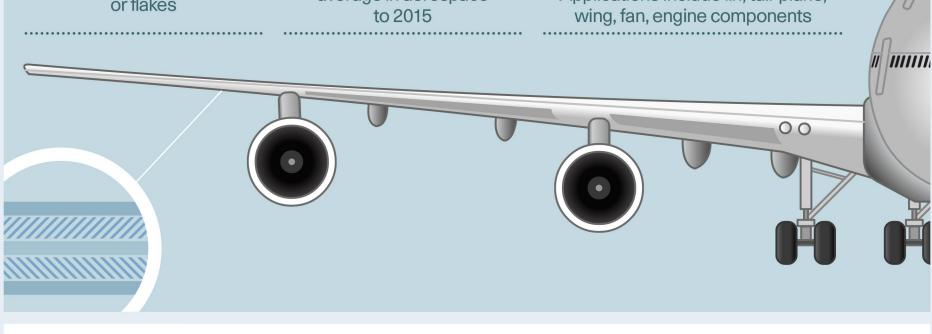
## **Composites**

Consists of a bulk material reinforced with fibres, particles or flakes

Expected composites growth of 9% a year on average in aerospace

strength, resistance and weight of components in aerospace. Applications include fin, tail-plane, wing, fan, engine components

Composite materials improve



# **Plastic electronics**

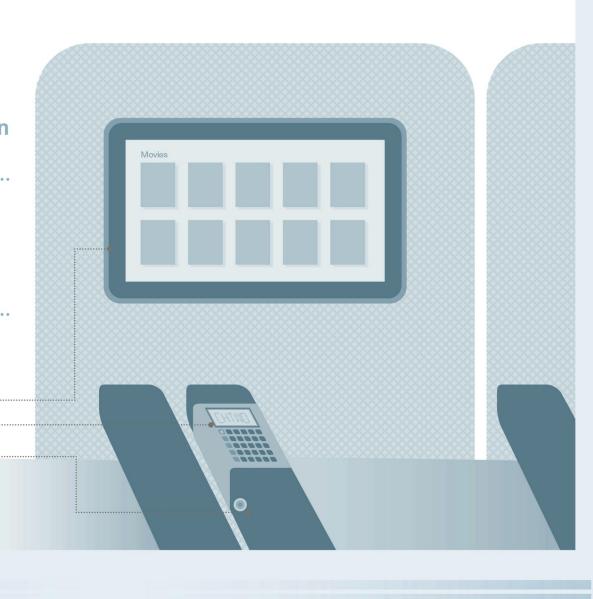
the creation of electronic devices on flexible surfaces. Currently employs 3,000 people in

Plastic electronic techniques allow

the UK. This is expected to increase to over 50,000 jobs roles by 2027 (across all sectors)

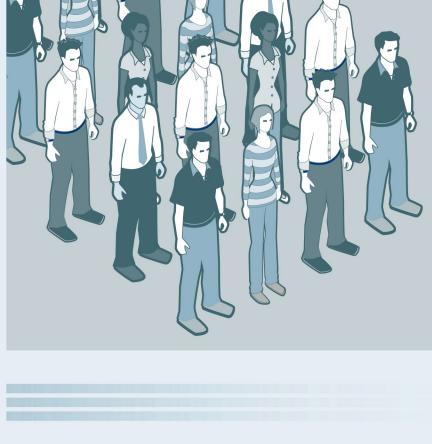
Potential aerospace applications include ·lightweight passenger displays

 passenger controls ·sensors embedded in seat textiles



## in Aerospace **Employers say there's** a need for:

Skills and jobs demand



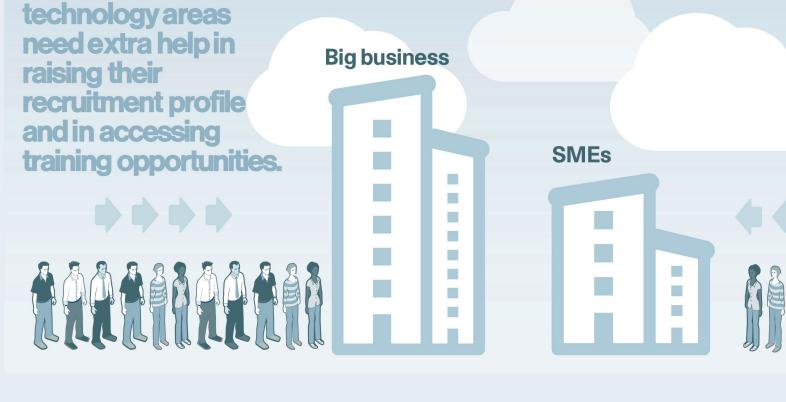
#### Design optimisation and CAD skills **₹ Finishing skills**

Jobs:

- Tunderstanding and experience of additive manufacturing, composites and plastic electronics technologies.
- R&D engineers → Material engineers

- **₹** Project managers Quality assurers

### **SMEs in these**



### What next? **Tackling wide-ranging**









