

MANUFACTURING ENGINEERING



Nigel V. - Head of Manufacturing Engineering (UK)

"Manufacturing Engineering in the UK is part of a transnational "Centre of Competency" that sits between Design and Manufacturing Operations. It is responsible for the development, design, deployment, support and continuous improvement of all Airbus manufacturing systems. Our role is to take the Design intent of each product and deliver capable manufacturing systems, within agreed budgets that enable the business to achieve its recurring costs targets and, therefore, ensure the profitability of the company. The scope and accountability of the Manufacturing Engineering "Centre of Competence" is very wide and includes:

- Research and development for future manufacturing processes and automation.
- Delivery of automated manufacturing systems for new products.
- Continual search for improved methods, processes and automation that can be retrospectively applied to existing production lines.

The focus of Manufacturing Engineering is to ensure Airbus is kept at the leading edge of technology, through the development and deployment of internal and external best practices, using the skills knowledge and experience of its people.

For young engineers, Airbus provides significant opportunities to develop manufacturing engineering skills in a wide range of disciplines. Within Airbus we promote the development of our manufacturing engineers by allowing them to experience these different disciplines so that ultimately they can develop strong capabilities and a robust career path. Our DEG Programme has proved an excellent vehicle for recruiting and developing our next generation of manufacturing engineers."

Entry Requirements

Suitable degrees include an accredited MEng or equivalent in:

Aeronautical Engineering, Aerospace Engineering, Mechanical Engineering and Manufacturing Engineering.

Graduates in other relevant subjects should also apply.

In addition, your degree must be fully accredited by the Engineering Council and require no further learning. You can check whether or not your degree is accredited by visiting www.engc.org.uk.

Additional Requirements

Candidates should be computer literate and ideally have demonstrable experience of Project Management, CADDS, Composites and Lean tools and techniques.

About Manufacturing Engineering

When taking a DEG placement in Manufacturing Engineering (ME), you have the opportunity to turn dreams into reality by assuring design intent is achieved in aircraft manufacturing.

Through manufacturing process ownership, you will be a key enabler allowing the business to achieve the cost, quality and delivery targets across Airbus UK's entire value stream.

Acting as a key interface between Production Operations and Design Engineering, you can actively participate and lead change from design related improvements to manufacturing process improvements. You will gain expert knowledge about the implementation of lean manufacturing principles, introduction of "right first time" Standard Operating instructions, application of process improvement methodology and variation reduction.

Manufacturing Engineering encompasses:

- Manufacturing Engineering Technology
- A380 (Broughton)
- A400M (Filton)
- Assembly & Installation Systems Engineering (Broughton)
- Manufacturing Engineering Support (Filton and Broughton)
- Manufacturing Engineering Extended Enterprise (Filton)
- ME Operations (Broughton)
- A350XWB (Filton and Broughton)
- Jig, Tools & Metrology (Filton and Broughton)