

COMPOSITE TECHNICIAN

flyhigher



Source: AFPA WEBTV

«What I enjoy the most about this job is producing something»

- PIERRE -

Aeronautics is an industry worth 220 billion Euros, providing 4,5 million jobs in Europe and is one of the key, high-tech sectors of the European Union.

WORKSHOP

A DAY IN THE LIFE OF... a composite technician

A composite technician handles different materials such as, fibres, weave, of carbon, Kevlar, glass and also different substances such as resins, catalysts, liquids, ... to produce a rigid, strong, cost effective and environmentally-friendly material. The composite technician is skilful, knowing how to cut, mix, mould, cure, shape and repair composites with the help of different methods and tools. This job requires the person to be organise, able to concentrate and be extremely diligent. No mistake is allowed: the quality of the created part and its properties depend on the skills of the composite technician.



Regions constituting Europe's leading pool of jobs in the field of aeronautics

COMPOSITE TECHNICIAN

MAIN ACTIVITIES

Read and interpret technical drawings and technical documentations

Cut out the materials and quantities needed to produce specific aircraft parts (fibreglass, carbon fibre, Kevlar, graphite...) in order to obtain the shape corresponding to the technical documents specifications

Impregnate the fibres or cloth with resins and/or catalysts where needed

Stratify the different layers of composite materials on moulds

Cure the assembly using a heat treatment (autoclave, oven, steriliser...) and the polymerisation process

Perform the final treatment of the piece after the hardening

MISSIONS

Create and/or repair aircraft parts with using materials

Handle specific fibres or cloth and resins in order to create composite materials

Assemble and/or paste different composite parts

EXAMPLE OF PROJECT

Manufacture helicopter blades with carbon fibre and fibreglass

SKILLS & KNOWLEDGE

Technical document understanding

Composite materials knowledge

Composite assembly methods

Composite transformation processes

Composite repairs processes

Chemistry knowledge

QUALITIES

Precision

Rigour

Attention to details

Dexterity

Versatility

QUALIFICATIONS

High school diploma

OR EQUIVALENT

