

A child is seen from behind, wearing a blue shirt, looking up at a colorful kite flying in a cloudy sky. The kite is blue with a yellow and red circular design. A long, colorful streamer trails behind it.

Careers Kit

Structure & Contents

Learn & Fly 
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This project has been funded with support from the European Commission.
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information contained therein. Project N°: 2017-1-PL01-KA201-038795



Learn & Fly 

Fly to the aerospace sector...

Which route will you take?

Insert text....



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Aerospace and Defense Sector



Aeronautics Industry



Air Transport and Flight Operations



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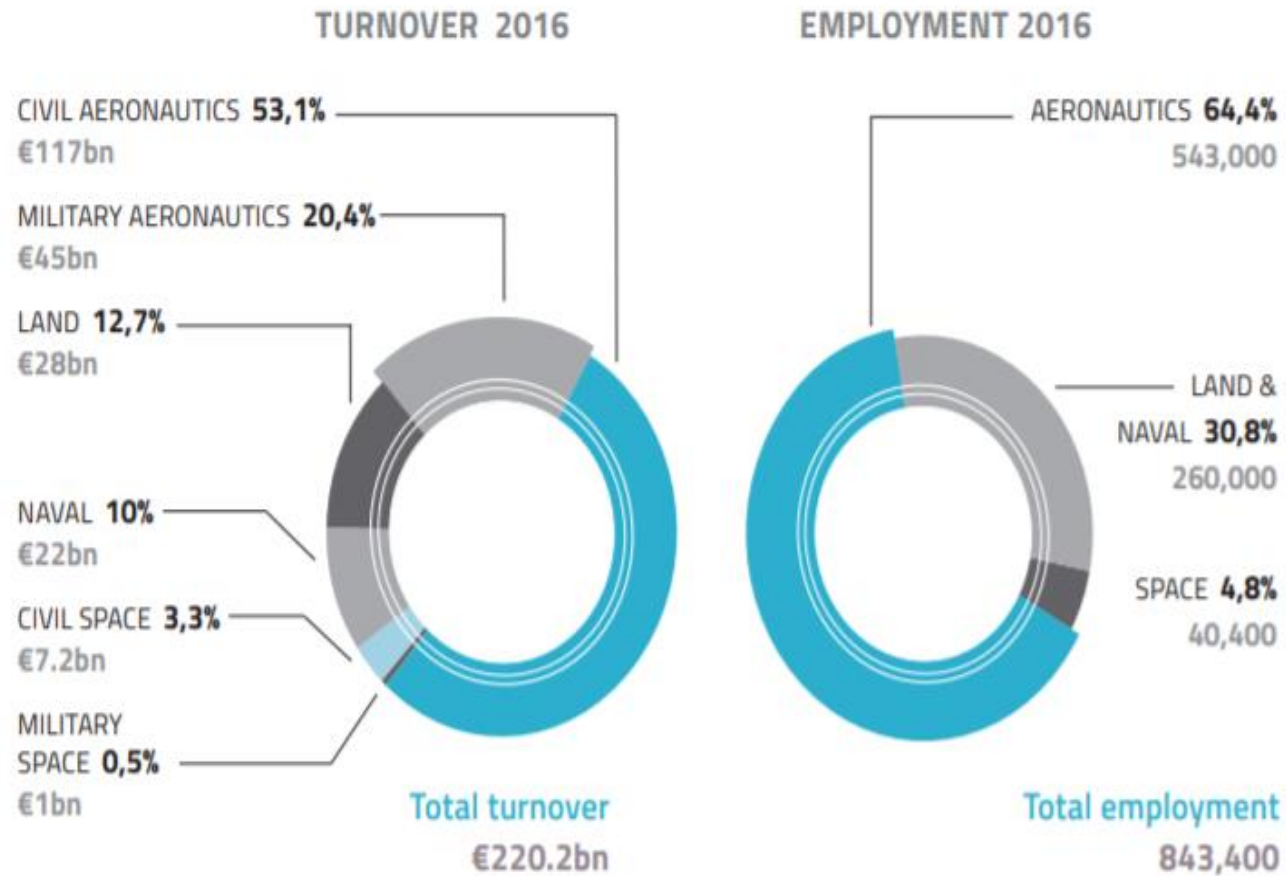


HOW TO BUILD AN AIRCRAFT?

1. AERONAUTICS INDUSTRY

1. AERONAUTICS INDUSTRY

Insert text...

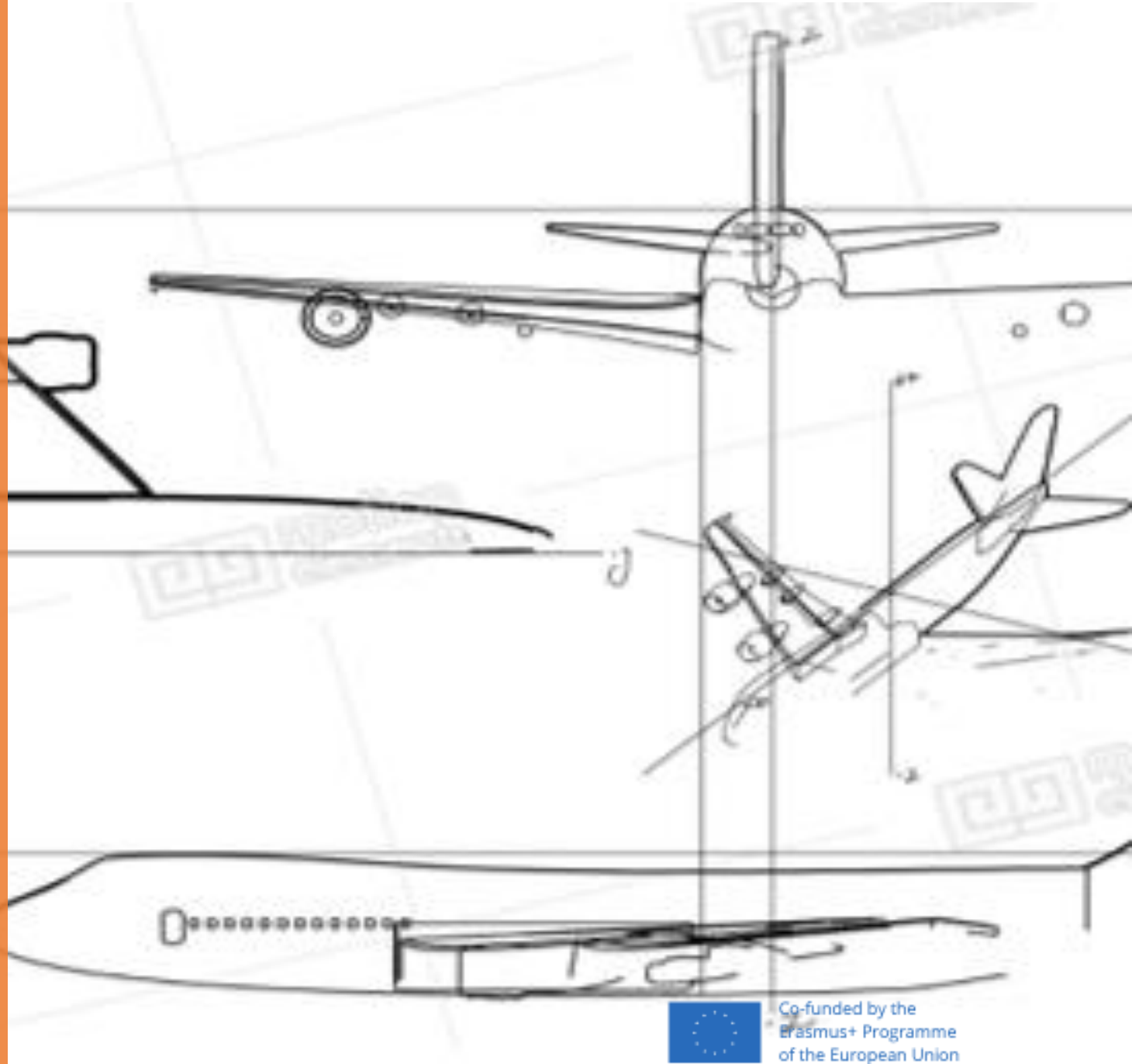


Source: AeroSpace and Defence Industries Association of Europe

1.1 Design it

- ✈ CAD/CAM technician
- ✈ Simulation Engineer
- ✈ Project Engineer (Structures)
- ✈ Project Engineer (Avionics)
- ✈ Project Engineer (Engines)
- ✈ Stress Analysis Engineer

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1.2 Manufacture it

- ✈ Composites Technician
- ✈ Metallurgist
- ✈ Technician of Metal Treatment
- ✈ Painters
- ✈ Computer Numerical Control (CNC)
Operator
- ✈ Electronics/Electrical Technician
- ✈ Cable Technicians

1.2 Manufacture it

- ✈️ Tool, Jig and Fixture Maker
- ✈️ Materials Engineer
- ✈️ Production/Manufacturing Engineer
- ✈️ NDT Engineer
- ✈️ Quality Engineer
- ✈️ Process Engineer
- ✈️ Logistics Technician

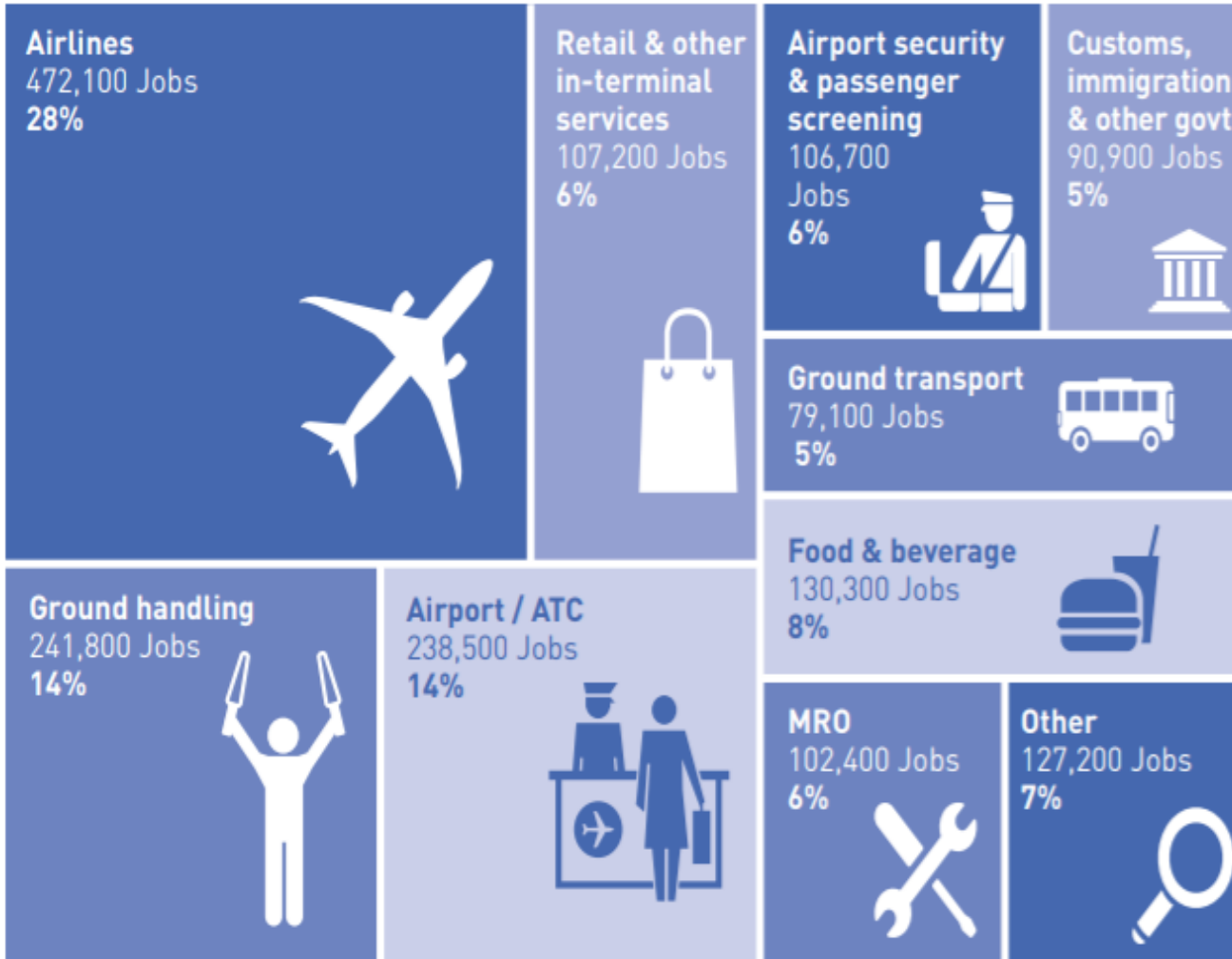
1.3 Maintain it

- ✈ Aircraft Engine Technician
- ✈ Base Aircraft Maintenance Engineer
(Licensed Engineers)
- ✈ Airworthiness Engineer



HOW TO FLY AN AIRCRAFT?

2. AIR TRANSPORT AND FLIGHT OPERATIONS



2. AIR TRANSPORT AND FLIGHT OPERATIONS

Insert text...

2.1 Maintain it

✈️ Line Aircraft Maintenance
Engineer (Licensed Engineers)

2.2 Provide ground handling services

✈️ Baggage Agent

✈️ Cargo Agent

✈️ Ramp Agent

✈️ Passenger Handling Agent

✈️ Aircraft Marshaller

✈️ Aircraft Refueler Technician

✈️ Airport Security Specialist

✈️ Airport Safety Specialist

✈️ Screening Officers

✈️ Flight dispatcher

2.3 Operate it on flight

- ✈ Commercial Pilot
- ✈ Airline Transport Pilot
- ✈ Flight Attendant

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2.3 Operate it on flight

- ✈ Accident and Incident Inspectors
- ✈ Air Traffic Controller
- ✈ Specialist Aviation meteorologist
- ✈ Airway Transportation systems Specialists

CAD/CAM TECHNICIAN TESTIMONIAL

Duties and Tasks

- Produces technical drawings;
- Works directly with design team;
- Responsibility for the control, correctness, accuracy of all drawings and models;
- Digital Mock Up.
- Makes the drawings for manufacturing.

Career Prospects

Junior CAD/CAM technicians can progress to senior CAD/CAM technicians, team leaders and project management roles.

By later taking an engineering bachelor, CAD/CAM technician may become Design Engineers. Also, these technicians can work in a wide range of industries from engineering and construction to manufacturing.

Work Conditions

- Office Work;
- May need to visit noisy environments factory areas, or be based temporarily on site;
- Many hours by the computer.

How to get the job?

Upper Secondary Level in CAD/CAM field; Level 4 EQF.

Although you don't need a master's degree, having a relevant master's in engineering or an engineering doctorate can enhance your career prospects.

CAD/CAM TECHNICIAN TESTIMONIAL

Years of experience: **10 Years**

Previous jobs: **Department Manager,
Project Manager, CAD/CAM Analyst**

Education Background: **Mechanical
Engineering Degree**

"10 years ago, when I started working, I was a young and inexperienced young man, without any knowledge of the business industry and how to evolve and have a relationship between co-workers, bosses and customers. I started my career as a CAD/CAM analyst. Designing, checking fixtures and aeronautical parts were freighting me back those days! But something inside me was happy and excited about this difficult work. Many times, the work in hands seems impossible to even begin! But I never give up and choose to face the challenges. My background in Mechanical Engineering gave me the tools to evolve and challenge myself. 10 years have passed since, and after many challenges, happy and sad moments in my professional live, I finally realize my long dream – to have my own company. "Love what you do, no matter what it is, and try to be the best at it"

João Glória
CEO/General Manager



Where can I work?

Portugal: CEiiA; LAUAK, Mecachrome; EMPORDEF TI; OGMA; Caetano Aeronautic; Thales; Altran; Active Space Technologies; UAVision Aeronautics; TEKEVER; OPTIMAL; Procut; Air Olesa; Iberomoldes Group; Embraer; Grupo Pinto Brasil; Ricardo & Barbosa; Edaetech – Engenharia e Tecnologia

Poland: Pratt & Whitney Poland (Rzeszów, Kalisz, Niepołomice), MTU Aero Engines, Safran Transmission Systems, Aero Gearbox International, Lisi Aerospace, Engineering Design Center, Collins Aerospace (UTC Aerospace Systems Wrocław Sp. z o.o.), PZL Świdnik – Leonardo Helicopters Company

Spain UMI AERONAUTICA; Aernnova Aerospace; Mtorres; ITPAero; WEC Velatia; NOVALTI; ASTORKIA; SENER; Talleres Aratz; ACITURRI



**For more information on
the Careers Kit, please
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Talent driven
culture.

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