



Graduate Engineer

Introduction

You will join the team as a Design, Stress, or Additive Manufacturing engineer, with the opportunity to gain exposure to other engineering disciplines. Our comprehensive and industry-recognized training package will provide the support needed to expand your skills across various areas of expertise.

Job Description

Your day to day activities will include but are not limited to:

- Performing structural analysis using both hand calculations and finite element modelling techniques.
- Compiling structural test plans / reports and witnessing tests.
- Visiting customers and attending airframe surveys.
- Design of mechanical components and assemblies using CAD for fixed wing aircraft and rotorcraft (civil and military).
- Performing design investigations and trade studies.
- Attending customer design reviews both virtually and on-site.
- Design optimisation for additive manufacturing.
- 3D scanning of full aircraft and aircraft components both on our premises and on customer premises.

Skills & Knowledge

- The ability to perform hand calculations based on first principles of stress and strain.
- Knowledge of metallic and non-metallic material properties and failure modes.
- The ability to understand and check engineering drawings.
- Keeping abreast of current and future technologies.
- The ability to communicate clearly and confidently both within the business and externally with customers.
- The ability to integrate into multiple teams and projects and become familiar with different company procedures.
- The ability to work independently to provide creative solutions to problems.
- The ability to work efficiently, accurately, and consistently to a high standard.
- Competence with basic engineering tool-sets: MS Office, CAD, FEA

Programme Length

Five Years

Employment Type

Full Time

Location

Office Based - Blackpool

Required Qualifications

MEng / BEng Engineering Degree (or equivalent)

Applicant Pre-Requisites

Clear DBS Check
UK Passport Holder

Job Function

Graduate Engineer

Application Process

Send CV and covering letter to:
reachout@airframedesigns.com

Web: <http://www.airframedesigns.com/>

LinkedIn: <https://www.linkedin.com/company/airframe-designs-limited>

Company Address: 11 The Pavilions, Avroe Crescent, Blackpool, Lancashire, FY4 2DP