

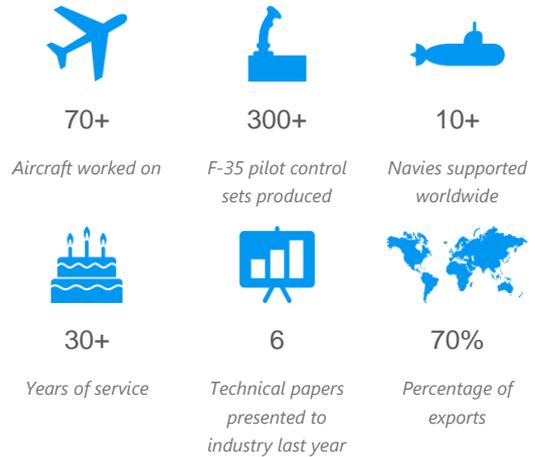


COMPANY OVERVIEW

Founded in 1987, Stirling Dynamics has grown from a handful of expert engineers to a team of 100+ staff. The success of the company is made possible through a customer-focussed, can-do culture. Everything we do is encompassed by our company mission statement:

- To deliver innovative technical services and technology solutions into our core markets
- To build sustainable, beneficial relationships between suppliers, clients and institutions
- To be recognised as an innovator and catalyst of new technologies
- To continue to make valuable investments for the future through education, research and development

STIRLING AT A GLANCE



STRATEGY AND BUSINESS PERFORMANCE

Strong financial performance is essential to support investment and growth. Looking forward we aim to achieve the following objectives:

- Increased business development and marketing activities to develop new markets
- Addition of new engineering capabilities to meet emerging customer needs
- Technology refresh for control products and systems
- Increased investment in training and professional development schemes

BENEFITS



We offer a range of benefits to our employees to recognise their efforts. Playing hard is equally as important as working hard, so regular events are held throughout the year which provide an ideal opportunity to mix socially.

THE ROLE

Stirling Dynamics Aerospace Technical Services sector is now seeking to recruit a Loads and Aeroelastics Engineer to support upcoming programmes of work. This engineer will work within a team responsible for all aspects of aircraft structural dynamics, from model build and flutter prediction to the computation of ground and flight loads for the whole aircraft and at component level. Responsibilities will be dependent upon experience but will include supporting technical packages of work/tasks and contributing to the development of the technical capability.

The ideal candidate will be educated to degree level or equivalent in a related discipline (preferably Aerospace Engineering, Mechanical Engineering or Engineering Mathematics) and must be able to demonstrate a good understanding of fundamental engineering principles.

Proven relevant experience in industry/education is desirable; preferably associated with the methods and processes applied in the field of aircraft loads and aeroelastics.

The successful candidate will have strong interpersonal skills and the ability to work both independently and within teams of engineers.

KEY ACCOUNTABILITIES

- Deliver engineering solutions at a consistently high standard, within a given timescale and budget
- Ensure given tasks achieve their full objectives
- Maintain project documentation in line with the quality plan
- Write technical reports detailing the work performed
- Interact with other engineers on a technical and project level

QUALIFICATIONS, KNOWLEDGE AND SKILLS

- Educated to degree level (or equivalent) in a related discipline
- Demonstrate an appreciation of loads and aeroelastics.
- Knowledge of programming languages and tools (Matlab, Simulink, FORTRAN)
- Able to carry out technical work independently
- Able to deliver results to specified deadlines
- Able to work in a flexible working environment
- Good report preparation and presentation skills with knowledge of Microsoft Office (Word, Excel, PowerPoint) products essential
- Interest in personal development and innovative thinking
- The following would be advantageous:
 - Experience in FE Modelling of Aerospace Structures (Nastran/Patran)
 - Familiarity of landing gear structures for ground loads computations

PERSONAL CHARACTERISTICS

The personal qualities of the jobholder will be key to success in this role. The following characteristics and qualities are identified as essential for the role:

- To work efficiently and accurately, with an attention to detail, and the discipline to self-check results
- To work independently when required, and the organisation and drive to follow through to a successful outcome
- The confidence and the willingness to question in order to gain a full understanding of issues. Escalate and communicate issues when necessary
- Good interpersonal skills, including a diplomatic and professional approach when dealing with people
- A willingness to embrace change and an ability to implement new processes

- Good organisational skills, including record keeping
- Be a good and enthusiastic team player

FACTS AND FIGURES

Pay & Benefits – Competitive Package

Department – Structural and Fluid Dynamics

Reporting to – Principal Engineer

Location – Clifton, Bristol, UK, moving to Filton, Bristol, UK in Dec 2019

Contract type – Full time, permanent

Job Reference – 30/19