

Senior Safety Engineer

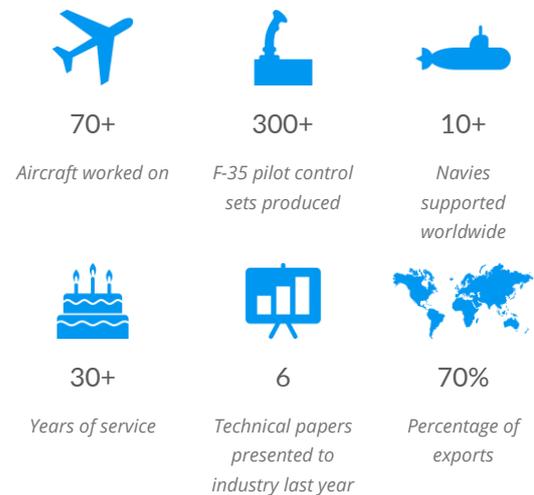


COMPANY OVERVIEW

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-focused, can-do culture. Everything we do is underpinned 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.

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THE ROLE

The successful candidate will join Stirling's Systems Safety Team and will play a key role in projects covering the design and development of aircraft and aircraft systems such as:

- hydraulics
- avionics & electrical
- fuel
- landing gear
- flight control
- minor or major aircraft structural modifications
- electro-mechanical actuation systems

The ideal candidate will have proven professional experience from relevant industry sectors. An existing background in systems safety is preferred, however, systems engineers with a clear desire to move into the safety arena will also be considered.

The successful candidate will have strong interpersonal skills and have the ability to work independently or within teams of engineers. For certain roles, the opportunity exists for overseas deployment (a mix of UK and international travel or longer term on-site deployment).

KEY ACCOUNTABILITIES

- Providing safety support and guidance to the Stirling project teams and directly to customers.
- Production of system safety documentation.

QUALIFICATIONS, KNOWLEDGE AND SKILLS

A hands-on, safety engineer with a background in an aircraft systems environment; preferably degree qualified in a related discipline or relevant industrial experience.

It is expected that the applicant will be able to demonstrate experience relating to a number of the following:

- FHA (Failure Hazard Analysis)
- PSSA/SSA (Preliminary/System Safety Assessment) including Fault Tree Analysis
- PRA (Particular Risk Assessment)
- FMEA (Failure Mode & Effect Analysis)
- CMA (Common Mode Analysis)
- Aircraft systems integration
- Systems engineering principles (Validation & Verification)
- Working in accordance with ARP4754/4761
- Knowledge of Certification Specifications e.g. FAR Part 25 / CS 25
- Use or knowledge of Fault Tree software
- Familiar with reliability databases, e.g. NPRD, EPRD,

Ability to produce coherent and concise technical documentation is essential.

Ability to gain security clearance to SC level is highly desirable.

Exposure to the following areas would be beneficial:

- Design of new systems from concept through to production.
- Landing gear systems.
- Fuel systems.
- Hydraulic Systems
- Flight control systems.

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- Aircraft engines.
- Zonal analysis
- Requirements derivation and management using DOORS.
- Background within the aerospace, defence or automotive domains

PERSONAL CHARACTERISTICS

The role is based in a fast paced dynamic environment and demands a self-motivated attitude with a real drive to progress. As such, the following characteristics and qualities are identified as essential for the role:

- enthusiastic,
- self-motivated and able to demonstrate initiative and an ability to manage multiple, complex tasks,
- the organisation and drive to follow tasks through to a successful outcome,
- confidence to challenge practices and the willingness to question to gain a full understanding of issues,
- a willingness to embrace change and an ability to implement (and identify) new processes,
- the capability to work efficiently and accurately, with an attention to detail, and the discipline to self-manage.

FACTS AND FIGURES

Pay & Benefits – Competitive Package

Department – Systems & Safety

Reporting to – Principal Safety Engineer

Location - Clifton

Contract type – Permanent or Contract

Job Reference – 02/18