

# Engineers For Our New Meggitt PLC Systems Integration and Prelim Design Team

## Job Title

Systems Integration & Prelim Design Engineers

Senior/Principal Systems Integration & Prelim Design Engineers

## Location

Coventry, UK

## Reports Directly to:

Director of Technology, Meggitt PLC

## Strategic Business Unit

We have exciting opportunities in a new Systems Integration and Prelim Design team that we are creating for Meggitt PLC based in Coventry. This team will work closely with a wide range of Meggitt Businesses as well as with our customers, suppliers and partners giving team members a unique, holistic insight into our product development and technology programmes, as well as the business cases that support them.

## Purpose

The team will conduct system modelling to understand the future design architectures for our customer's products giving us a high quality understanding of their requirements for future 'mini-systems' and components that Meggitt may develop. The team will then work with Meggitt business units to develop concept designs for these 'mini-systems' and components, as well as building and delivering technology programmes to realise them.

## Responsibilities:

- Conduct Model Based Systems Engineering of whole engine or aircraft systems such as an oil, thermal or electrical system. These system models will be developed with on-going contact with our customers, enabling Meggitt to get an early high fidelity understanding of how the fundamental architecture of these customer systems will change in the future

- Use this systems modelling activity to define specifications for 'mini-systems' and components with high confidence that they will meet our customer's requirements in the future
- Work closely with Engineers across the Meggitt business units to develop Preliminary Designs of these future 'mini-systems' and components and ensure that our AR&T programmes are targeted at delivering the technology to realise these Preliminary Designs in the future
- Work closely with Engineers across Meggitt businesses, as well as partners, universities, customers and suppliers to develop and deliver technology programmes that are required to realise these future Meggitt products
- Support Sales & Marketing in developing business cases and business plans for these future Meggitt products

### **Key Skills and Competencies Required**

We are particularly looking for engineers with experience of gas turbine or aircraft fuel systems, oil systems, air systems, thermal systems and heat exchangers. Early career level through to individuals with 15 years' plus experience working in Systems Engineering in at least one of the following functional fields:

- Fluid and thermal systems modelling and component design
- Electrical system modelling and component design
- CAD layout design, FMEA, mechanical integrity
- Unit cost and Manufacturing Engineering
- Control and Health Monitoring

Multi-disciplinary skills, flexibility and some domain knowledge of airframe or engine 'whole systems' would be an advantage

In addition the following competencies are required:

- A track record of innovation
- Strong collaboration and relationship building skills to enable team working with individuals across Meggitt, our customers and partners
- Demonstrated capability to work in a distributed team
- Strong influencing and communication skills
- High energy and drive and the ability to learn quickly
- A 'strategic mind-set' and some business case/plan experience would be beneficial