

E&SD Design Support Engineer

To be a member of a small group concerned with R&D into Strong Link Safety Barriers.

Discipline	Engineering - Mechanical
Employment Basis	Full Time
Location	Aldermaston
Salary Range	£20,000 - £30,000
Job Reference	20/27/07/021261

Key accountabilities

- To support the Technical Leader / Task Manager progress internal and external stronglink programmes with applied engineering experience.
- To support Technical Leader / Task Manager's R&D projects through the design, production and test cycle.
- To carry out detail mechanical design work from layouts and design tooling and experimental equipment.
- To produce manufacturing drawings and coordinate drawing sub-contractors.
- To actively take part in design review meetings.
- To consider manufacturability in all aspects of a design.
- To produce working models of designs from either traditional methods or using rapid prototyping techniques.
- To devise and undertake experimental testing to support design work.
- To liaise with sub-contractors and internal groups on stronglink projects and support work.
- To engage in a model based approach to engineering including CAD/CAM and visualisation.
- To produce design reports and maintain design documentation

Responsibilities

- Understand and apply responsibilities with regard to the Company's Environment, Health, Safety, Security and Quality Standards

Qualifications

- HNC level in a mechanical, electro-mechanical or manufacturing discipline.

Knowledge

- A sound understanding of mechanical design principles.
- Knowledge of electro-mechanical systems, military environmental testing and manufacturing techniques for small components.
- Awareness of modern design tools and model based engineering.
- To be aware of and understand the Company Quality Procedures and Security Regulations

Experience

- Experience in the design, manufacture and testing in miniature electro-mechanical

systems would be an advantage.

- Experience of drawing office standards and documentation procedures.
- Communications with external contractors / suppliers.

Skills

- Ability to design and specify mechanisms, jigs and fixtures, conduct tests and liaise with suppliers and supporting groups.
- Use of 3D CAD tools for design and analysis of electro-mechanical systems.
- Be able to interpret and produce engineering drawings.

Behaviours

- To be able to work in a dynamic team environment.
- Be able to effectively communicate work issues mainly within the team and at meetings.

Special Requirements

None