

Specialist Hazard Testing & Research

To support the development of Hazards testing capability.

Discipline	Science - Physics - Experimental
Employment Basis	Full Time
Location	Aldermaston
Salary Range	£25,000 - £35,000 dependent on experience
Job Reference	20/05/01/651161

Key accountabilities
Delivering agreed projects (or parts thereof).

Responsibilities

To achieve deadlines in support of goals and key events.
To ensure transfer of information from and to individuals with whom the post holder works.
To operate within the company standards relating to Security, Quality, Environment, Safety and Health.

Qualifications

Qualifications in Electronics, Electronic/Electrical Engineering, Physics with Electronics
A minimum: BSc 2:1 AND directly relevant experience ideally within the past 5 years

Knowledge

Broad knowledge of Electronics with particular emphasis on design of control and instrumentation systems.
Good understanding of data acquisition and processing techniques, including optical systems.
Good understanding of measurement and data manipulation techniques.
Awareness of high voltage design techniques and practices.
Understanding of principles of design for safety related applications.
Awareness of safety analysis techniques.
Some knowledge of assurance procedures and processes.

Desirable:

Knowledge of firing unit design
Knowledge base in pure and applied physics and infra-red optics/processing.
Awareness of health and safety requirements in explosives areas.
Awareness of the use of Hazards testing in the wider UK explosives industry.
Awareness of MOD explosives regulations.

Experience

Some experience in design and development of data acquisition and processing systems in a scientific or relevant technical environment, including requirements identification and development of technical specifications.
Some experience of product validation
Some experience of writing technical reports
Undertaking signal measurements using electronics test equipment
The use of electronics equipment/systems in support of scientific OR relevant technical projects

Desirable:

Performing scientific experiments OR relevant experience of technical testing & assessment.
Working within a quality assured environment.

Project management of technical programs.
Experience of overseeing contracts and working with contractors

Skills

Evidence of practical aptitude in the design or specification of electronic equipment/systems (hardware and software) in support of scientific or relevant technical subjects.
Ability to develop skills in preparing and carrying out scientific experiments.
Ability to understand and produce technical requirements and specifications.
IT literate including spreadsheets and word processing.
Clarity of written and verbal information.

Desirable:

Problem solving skills applied to any of; equipment failure, resource conflicts and regulatory compliance.
Overseeing contracts

Behaviours

Ability to work effectively as part of a team and alone.
Results focused, persistent and willing to take responsibility for delivering results to deadlines.
Driven to achieve a high standard of work.
Ability to make decisions on a rational basis using all relevant information.
Able to make presentations to an audience and take part in formal and informal discussions involving significant numbers of people.
Able to organize time effectively.
Willing to develop technical knowledge into new fields
Proactive.

Special Requirements

None specified