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Neutron Tube Design Team Leader

List To lead a team undertaking research and design of neutron tubes

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Discipline Science - Physics - Experimental

Employment Basis Full Time

Location Aldermaston

Salary Range £38,000 to £52,000 dependent on experience

Job Reference 27/07/01/651794

Key accountabilities

- Accountable to the Group Leader Initiation Science for the management and development of the neutron tube design team
- To act as the focal point of technical leadership for the R&D of neutron tubes within AWE
- Lead on outreach activities associated with neutron tubes, in particular building and maintaining links with laboratories based in the US
- To construct proposals for future neutron tube R&D based on company requirements and business opportunities
- Ensure staff development is effectively managed to provide and maintain capability in accordance with the area strategic plan

Responsibilities

- To operate within the company standards relating to Security, Quality, Environment, Safety and Health

Qualifications

- A Degree in Physical Sciences
- Chartered status preferred
- A management qualification is desirable

Knowledge

- A good understanding of the science and technology underpinning practical neutron generating methods
- A awareness of nuclear weapon systems
- A working knowledge of modern management methods

Experience

- Experienced scientist with considerable practical experience in one or more of the following fields:
 - the generation and application of high-energy ion beams
 - high voltage and ultra high vacuum component design
 - the application of mathematical modelling techniques in electromagnetics
 - thin-film deposition and characterisation
- Proven experience in a position with responsibility for people management, the development and delivery of technical programmes and staff development.

Skills

- Ability to develop innovative design solutions
- Ability to review critically both concept and detail designs
- Ability to produce clear, concise and timely reports
- Good project management skills
- Good problem solver
- High level of people management skills
- Excellent communication and interpersonal skills at all levels
- Ability to motivate and build team
- Ability to manage change

- Ability to solve problems and resolve issues arising from management of resource
- Have sufficient self-confidence, experience and enthusiasm to make progress with minimum supervision and maintain good working practices
- Adopt a flexible approach to working to suit the Customer's needs

Behaviours

- To act as a role model to the neutron tube R&D team in displaying the Company values of Purpose, Achievement, Courage and Trust
- Self-starter / Highly motivated
- Reasoned decision maker
- Confident
- Working with others towards common goals

Special Requirements

- Willing to travel overseas occasionally

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