

Warhead Electrical Engineer

Other refs are to
Systems

To provide electrical/electronic design analysis, evaluation and qualification of a Warhead Electrical System.

Discipline	Engineering - Electronic
Employment Basis	Full Time
Location	Aldermaston
Salary Range	£28,000 to £38,000
Job Reference	27/11/02/650192

→ is not design.

→ fu rings system??

Key accountabilities

- To support the approval programme for the introduction of the System into UK Trident.
- To be responsible for maintaining the Design Authority design record for the System.
- To be responsible for preparing trials requirements and trials specifications.
- To participate in electrical trials in the UK and functional trials in the US.
- To be responsible for preparing trials evaluation reports for trials.
- To be responsible for preparing technical assessments based on UK and US qualification evidence.
- To review formal analysis and design evidence to support approval submissions.
- To undertake modifications to the UK Trident design package.
- To support warhead Process Run Throughs at AWE(B) → what's diff betw process + slow run throughs?
- To represent the Design Authority at AWE meetings.
- To represent the Design Authority at US/UK exchanges.

→ from US?

Responsibilities

Operating with the company's standards relating to Security, Quality, Environment, Safety and Health is essential for all roles at AWE.

Qualifications

- Degree in electronic engineering or a related science based subject.
- Membership of a Professional Engineering Institution.

Knowledge

- Knowledge of Warhead Electrical Systems and their technologies.
- Knowledge of warhead electrical interfaces with other warhead sub-systems and with launch delivery system.

Experience

- Experience in electronic systems design and development.
- Experience in assessing engineering and scientific evidence.
- Experience in software development
- The ideal candidate will have broad experience in these areas.

Skills

- Ability to use office-based computer applications.
- Ability to plan and execute formal trials.
- Ability to write concise technical reports.
- Ability to deliver good technical presentations.
- Ability to anticipate problems and develop solutions.

Behaviours

- To maintain a clear focus on high performance.
- To understand the needs and objectives of others within the team.
- To work effectively within a team framework to common goals.
- Be able to communicate clearly, concisely and unambiguously at all levels.

Special Requirements

- Willing to travel to design and test facilities in the USA and AWE Burghfield.
- Willing to undertake a MSc in Systems Engineering.
- Willing to act as mentor to graduate electrical engineers.