EASD Electrical Design Engineer

To undertake practical work on small, electrical devices capable of generating extra high voltages.

Discipline	Science - Physics
Employment Basis	Full Time
Location	Aldermaston
Salary Range	Dependent on experience.
Job Reference	27/11/01/650424

Key accountabilities

Devise and design high voltage circuitry, incorporating novel or custom-made components, to generate voltage and current pulses to an exacting specification.

Analyse test data using computer software capable of circuit analysis and numerical analysis.

Responsibilities

Prepare written reports and provide oral presentations on the test methods and analysis.

Contribute to the direction of high voltage design work.

Support collaboration internationally on generator research and development.

Be responsible for the safe operation of high voltage test equipment in accordance with written procedures.

Qualifications

Degree in Electrical Engineering or Applied Physics

Knowledge

High voltage design. Electrical and high voltage safety.

Quality procedures relevant to the job

Working with pulsed high voltages.

Use of circuit analysis tools.

Experience

Good practical laboratory skills.

Able to work safely and competently with high voltages.

Competency with computers and numerical analysis methods.

Skills

Good written and verbal communications skills.

Good problem-solving skills.

Behaviours
Able to interact and work as part of a team.

Special Requirements
Willing to work towards the company's values of Purpose, Achievement, Courage and Trust.