



NJOC-VN-188

Position Title: Tritium Plant Engineers/Scientists

The Tritium Engineering and Science Group (TESG) at CCFE is responsible for the operation, maintenance and development of the tritium systems housed within the Active Gas Handling System (AGHS) at JET. JET is currently the only tritium compatible tokamak worldwide and the role of the AGHS is to supply, recover, process and recirculate the hydrogen isotopes, including tritium, which are used in the fusion reaction within the Torus. It consists of a number of main pumping and process sub-systems and several ancillary analytical and storage sub-systems. The group also carries out detritiation work, to minimise the impact of tritium on future JET operations, and development projects.

Job Purpose

We are looking for engineers or scientists to join the TESG to contribute to the operational and research activities the group undertakes in support of JET operation.

The main responsibilities of the role include:

- Undertaking maintenance activities and installing new equipment, leading the design, procurement, inspecting and testing of such equipment and preparing procedures for plant operation and maintenance
- Operating the AGHS facility from its control room. You will be expected to attain an operational appointment to lead, or take part in, a shift running the AGHS facility upon successful completion of a training program

Knowledge, skills and experience

Essential

- A relevant Degree or equivalent level in Physics, Chemical/Process or Nuclear Engineering
- Proven experience in a high technology environment Experience in one or more of: design, commissioning and operation of process plant, cryogenics, design and construction of large experimental apparatus, involvement in HAZOP studies and/or design reviews, generation of work packs and risk assessments

- Ability to write and follow procedural documentation and have a responsible approach to safety.
- Good interpersonal and communication skills

Desirable

- Experience in the operation of plant handling radioactive materials, including procedural and safety requirements

Special Requirements

- Classified radiation worker
- Registered Beryllium worker
- Shift worker (24/7 shift cover required)

For more information please contact: Robert.smith@ccfe.ac.uk

Applications through the Head of the Research Unit to the NJOC Senior Manager, Tim Jones, by 19 June 2015. Later applications may be considered if the post remains unfilled.

Note that candidates who are not EU nationals will need to obtain a visa to work in the UK. The JET Operator can provide advice on the issues involved and candidates are recommended to investigate before interview