

Tritium Plant Process Integration Technical Engineer

Reports to Line Manager:	Tritium Plant Section Leader, Fuel Cycle Engineering Division, Central	Job Code:	CEP-115
	Engineering and Plant Support Department		
Direct Employment:	Required	Grade:	G6

Purpose

india

japan

usa

To support the process integration design, schedule, testing and commissioning, integrated operation procedures, and the development of system interface control documents. The system integration (particularly the safety important functions and operation of the ITER fuel cycle) has to be analyzed based on designs that are currently under development.

Major Duties/Responsibilities

Supports the Tritium Plant Responsible Officer and Tritium Plant System Engineers on the process

- integration design, and later to prepare the procurement specifications and schedules;
 - Develops the procedures for testing and commissioning of integrated operation procedures;
 - Supports work on interfaces between the process systems within the Tritium Plant and Fueling and Vacuum Pumping;
- Prepares schematic drawings, process flow diagrams, and descriptive technical documentation for the Tritium Plant interfaces and auxiliary systems;
- Provides technical support in preparation of design work orders and technical specifications for external contracts;
 - Provides support in the integration activities and assessment of system interface functions within the Tritium Plant and portions of the plant that require Tritium Plant support;
 - Supervises the procurement and contracts with suppliers;
 - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Qualifications and Experience

- Education:
 - Degree at least equivalent to 4 years of study after the High School Diploma, in nuclear technology, mechanical or chemical engineering or other related discipline.
- Technical experience:
 - At least 15 years' experience in the development, design, manufacturing, commissioning and operation of building support systems and interfaces within a nuclear facility and preferably a tritium handling facility;
 - Knowledge of tritium or hydrogen gas processing systems;
 - Knowledge of tritium instrumentation, controls and sequences;
 - Experience and knowledge of radiological glove box applications would be a plus.



- Social Skills:
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.
- Language requirements:
 - Fluent in English (written and spoken).
- Computer and IT skills:
 - Very good command of the Microsoft Office Package.

Direct Supervisor and Interfaces

- Reports to the Fuel Tritium Plant Section Leader of the Fuel Cycle Engineering Division (FCD);
- Receives direction from System Engineers within the Tritium Plant Section;
- Close cooperation with other groups within the FCD;
- Some interface with the Domestic Agencies (DAs) having Tritium Plant procurement packages and with the Industry developing the interface components and systems.

Authority / Approval Levels

This position has authority and approval levels generally defined by the leader of the Tritium Plant Section for his / her scope of work.

Measures of Effectiveness

- Successfully supports the ITER Tritium Plant Integration activities;
- Prepares materials required for the development and design of the Tritium plant interfaces and systems in a timely manner;
- Successfully communicates with the Tritium Plant Section, with the other groups in the Fuel Cycle Division and with the DA's.