

## Design Coordinating Engineer for the Tritium Plant

CEP-100

<b>Reports to Line Manager:</b>	Plant Design Section Leader, Design Office Division, Central Engineering and Plant Support Department	<b>Job Code:</b>	CEP-100
<b>Direct Employment:</b>	Required	<b>Grade:</b>	G5

### Purpose

To manage the CAD plant & process design and associated ITER Tritium Plant CAD data over the entire life-cycle (from design to machine operation) under the instruction of the relevant Responsible Officer (RO);

To supervise the CAD design activities performed by designers within the ITER Organization (IO) and outside the IO (Contributors).

china

eu

india

japan

korea

russia

usa

### Major Duties/Responsibilities

- Responsible for the quality of the ITER Tritium Plant CAD data;
- Supervises and coordinates the design tasks under the guidance of the relevant RO(s);
- Performs coordination & development tasks as CAD Coordinating Engineer under the guidance of the relevant RO(s):
  - Follows-up with the process & layout design (coordination of several CAD Designers; interface analysis & management; data structure & meta-data checking into the data-base; CAD data change management & tracking; 2D-3D coherence; Product-Break-Down-Structure implementation...);
  - Supports the RO in the interactions with the Domestic Agencies and External Contributors regarding CAD activities;
- 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 3-5 years of study after the High School Diploma, in a Technical engineering field, Mechanical or Process Engineering, Computer Aided Design, Thermal Process and Fluidic Engineering or other related discipline.
- **Technical experience:**
  - At least 10 years' experience in a Process Design Office on a multi-disciplinary project and preferably performed in a remote design collaborative manner;
  - At least 5 years' experience in the design of complex Tritium plant system components and in nuclear safety related piping systems would be an advantage;
  - Knowledge of thermal, mechanical and hydraulic calculations would be an advantage.

- ***Social Skills:***
  - Demonstrated ability to produce high quality results which have stood the test of being manufactured, tested, installed and commissioned successfully is required;
  - Excellent ability to organize and monitor design activities, good communication skills and ability to work towards predefined goals with a high level of autonomy while sustaining a high level of pressure to work under;
  - 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:***
  - At least 5 years' experience in design work involving an advanced CAD system for 3D & drawing design and enabling multi-discipline process description.

### **Direct Supervisor and Interfaces**

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- Reports to the Plant Design Section Leader within the ITER Design Office;
- Interacts on a daily basis with the relevant ITER Component Responsible Officers (in charge of the technical solutions), the Integration Responsible Officers (in charge of the configuration control), Design Office Management & Support Team and Design Coordinators & Designers aiming at the required level of quality and efficient design development.

### **Authority / Approval Levels**

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This position has authority and approval levels generally defined by the Design Office Division Leader for his/her scope of work.

### **Measures of Effectiveness**

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- Provides efficient and high quality service to the ITER Design Office;
- Contributes to the effective development of the plant & process design;
- Develops further technical capabilities, flexibility, CAD tool control and team spirit;
- Supports the objectives & interests of the ITER Project;
- Establish a collaborative attitude with all involved internal & external organizations.