

## Technical Engineer for Integration of Ex-Cryostat Systems

PRO-072

<b>Reports to Line Manager:</b>	Design Integration & Configuration Control Section Leader, Project Office	<b>Job Code:</b>	PRO-072
<b>Direct Employment:</b>	Required	<b>Grade:</b>	G4

### Purpose

To support the definition and maintenance of Configuration Management Models (CMM) representing the space allocation of the ITER plant systems and the definition and maintenance of interfaces between the systems and buildings.

### Major Duties/Responsibilities

china

eu

india

japan

korea

russia

usa

- Develops and manages the CMM and general arrangement drawings;
- Defines and manages the physical interfaces, in particular with the buildings in collaboration with the ITER Design Office (DO);
- Contributes to top level documents such as the Plant Breakdown Structure (PBS) with the component identification, System Requirement Documents (SRD) and Interface Control Documents (ICD);
- Checks the integration of the 3D and 2D data describing the ITER plant systems created by the ITER departments and Domestic Agencies (DAs);
- Assists in the preparation of the ITER plant systems formal design review meetings, in the preparation of Procurement Arrangements (PA) and in the work in progress;
- Interacts with the ITER departments and DAs to ensure the completeness and consistency of the Computer-Aided Design (CAD) data and engineering database;
- Interfaces with the assembly group & Civil Construction and Site support office (CCS) for all matters of his/her responsibility;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

### Qualifications and Experience

- **Education:**
  - University degree at least equivalent to 3-4 years of study after the High School Diploma, in the mechanical engineering field or other related discipline.
- **Technical experience:**
  - At least 8 years' experience in the design, construction, system engineering and integration of large scientific and/or nuclear projects;
  - Knowledge of the engineering aspects of the Tokamak systems design is an advantage.

- ***People Management experience:***
  - Capable of coordinating the CAD designers' activities.
- ***Social Skills:***
  - Excellent capability to interact with the Responsible Officers in the ITER team together with Product Integrated Teams and Domestic Agencies;
  - 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:***
  - Good knowledge of CATIA V5 and ENOVIA (LCA).

### **Direct Supervisor and Interfaces**

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- Reports to the Design Integration Section Leader;
- Maintains frequent communication with the ITER departments and interacts with the DAs for all matters of his/her responsibility.

### **Authority / Approval Levels**

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This position has authority and approval levels generally defined by the DG for his/her scope of work.

### **Measures of Effectiveness**

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- Successfully provides technical support to the Design Integration Section Leader;
- Successfully completes the tasks described under "Major Duties/Responsibilities";
- Acts in a collaborative manner with all involved organizations.