

## Building Design Coordination Engineer

CEP-103

<b>Reports to Line Manager:</b>	Plant Design Section Leader, Design Office Division, Central Engineering and Plant Support Department	<b>Job Code:</b>	CEP-103
<b>Direct Employment:</b>	Required	<b>Grade:</b>	G5

### Purpose

To manage the Computer Aided Design (CAD) Site & Building design and associated CAD data of the ITER Site & Civil Construction over the entire life-cycle (from design to construction) under the instruction of the relevant Responsible Officer (RO).

To supervise the CAD design activities performed by designers at the ITER Organization and by outside contributors.

china

eu

### Major Duties/Responsibilities

india

japan

korea

russia

usa

- Ensures the quality of the CAD data for the ITER site & building design;
- Manages the data structure in the ENOVIA database;
- Performs design tasks under the guidance of the relevant Responsible Officer(s);
- Coordinates & develops tasks as Design Coordinator under the guidance of the relevant Responsible Officer(s);
- Coordinates & develops tasks as Design Coordinator under the instructions of the Plant Design Section Leader;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics; supports the objectives and interests of the ITER project.

### Qualifications and Experience

- **Education:**
  - Degree at least equivalent to 3-5 years of study after High School Diploma in Civil Construction Engineering or equivalent and/or Computer Aided Design.
- **Technical experience:**
  - A minimum of 10 years' experience (including as Leading Designer) in a plant design & civil construction design office in a multi-disciplinary project, in an international environment and preferably performed in a remote design collaboration manner;
  - A minimum of 3 years' experience in the implementation of engineering activities, requirement definition, conceptual, pre-detailed and detailed design; Definition of complex interface systems; Preliminary sizing, etc.;
  - Experience in nuclear building would be an advantage;

- Capable of coordinating configuration, interfacing and integration of process plant/ machinery into Site and Buildings designs;
  - The demonstrated ability to produce high quality results which have stood the test of being manufactured installed and commissioned successfully.
- ***Social Skills:***
  - Excellent ability to organize and monitor design activities, good communication skills and capability to work towards predefined goals with a high level of autonomy;
  - Ability to work effectively in a multi-cultural environment;
  - Ability to work in a team and to promote team spirit.
- ***Language requirements:***
  - Fluent in English (written and spoken).
- ***Computer and IT skills:***
  - A minimum of 5 years experience of design work involving an advanced CAD system, including preferably 3 years with CATIA V5 for 3D & drawing design;
  - Experience with ENOVIA LCA - Virtual Project Management (VPM) 5 is not essential, though experience with previous versions of VPM, or with other integrated database systems would be an advantage.

## **Direct Supervisor and Interfaces**

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- Reports to the Plant Design Section Leader of the 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 at an efficient development of the design.

## **Authority / Approval Levels**

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

## **Measures of Effectiveness**

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- Provides an efficient and high quality service to the ITER Design Office;
- Contributes to an effective development of the civil construction & site design;
- Contributes to the development of the Staff: technical capabilities, CAD tools, team spirit, etc.;
- Establish a good collaboration attitude with all involved internal & external organizations.