Job Title: Nuclear Building Area Manager IO0853

Requisition ID **4040** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Engineering of Systems** - **New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this video

Application deadline: 04/07/2021
Domain: Engineering
Department: Central Integration Office
Division: Physical & Functional Integration
Section: Design Integration
Job Family: Project Engineering
Job Role: Coordinating Engineer
Job Grade: P4
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purposes

As the Nuclear Building Area Manager, you will manage the layout of all systems and structures in nuclear buildings on the ITER Organization (IO) site, including the resolution of layout problems, and partnering with responsible officers and engineers of the affected systems and structures.
Additionally, you will coordinate conceptual design activities in an integrated manner, to implement transverse safety, technical functions and requirements, and define priorities for the execution of associated work.

Background

The Physical and Functional Integration Division is in charge of integration studies and reviews for the ITER project. Within this division, the Design Integration Section has the responsibility to manage and coordinate activities related to systems physical integration, engineering, control of the interfaces, implementation of Safety requirements, interfaces for construction and integrated commissioning of the ITER project and manage Transverse Functions, and control the configuration of the 3D model for all IO building and systems.

Major Duties/Roles & Responsibilities

- Controls the production of layout drawings and models, and manages the configuration of structures system and components (SSC) in specific areas of the ITER Nuclear buildings throughout the design, construction, installation and commissioning Project phases;
- Monitors and assesses configurations and interfaces of all systems and structures up to the delivery of the building & system in the area, anticipating and resolving problems as they occur;

- Ensures operational, installation, and safety requirements are implemented and validated, and coordinates any actions to resolve interface issues between systems;
- Coordinates the assessment and disposition of design change requests, deviation requests, and / or non-conformance reports, ensuring the prompt implementation of the required changes, recovery actions and mitigation solutions;
- Collaborates with stakeholders across IO and externally to properly manage the configuration and design of the responsible areas(s);
- Plans and manages the Design Integration Reviews (DIR) to monitor and accelerate the resolution of interface and integration issues;
- Tracks and ensures the timely closure of actions raised during the review or release of the Engineering Work Package when related to integration issues;
- Reviews configuration models and associated drawings from Domestic Agencies and/or suppliers;
- Contributes to the development and management of integrated design/construction solutions for the implementation of transverse functions/requirements according to the final design phase schedule;
- Develops procedures to improve IO process specific to physical integration planning and implementation;
- Coordinates and ensures the implementation of Transverse Functions or Common items (Platforms, Shared and Common supports, Radiological Shielding, etc.);
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays.

Measures of Effectiveness

- Completes objectives related to layout of all systems and structures in nuclear buildings within the design and construction schedule;
- Implements change requests affecting the layout of system in the associated areas in a timely and efficient manner;
- Provides accurate reports on the status of the configuration per the defined communication schedule;
- Identifies and manages efficiently interfaces and maintains excellent collaboration with safety, construction and engineering stakeholders;
- Develops, updates, and ensures that documentation is kept up-to-date.

Experience & Profile

- ***Professional Experience:***
  - At least 10 years' experience in the design, procurement and installation of nuclear systems, structures or components in the field of complex construction management.
- ***Education:***
  - Master's degree or equivalent in Mechanical or Construction Engineering or other relevant discipline;
  - The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
- ***Language requirements:***
  - Fluent in English (written and spoken).
- ***Technical competencies and demonstrated experience in:***
  - Applying codes and standards, nuclear quality assurance, safety regulations applicable to the design and layout definition of buildings, plant system mechanical support, definition of conduits and cable trays, HVAC ductwork, piping, platforms, etc.;
  - Coordination of design and construction teams, development of detail work schedules, monitoring the status of the project and generating effective reports on of the work;
  - Integrated management of construction and engineering: management of plant strategies and engineering solutions within a reasonable time and cost;
  - Coordinating design activities and proficiency in CAD design tools (e.g. PDMS, CATIA);

    - Project Management: planning, measuring, and reporting on progress, managing risks, costs, and resources within human and financial constraints;
    - Problem solving: assess problems, identify root causes, and reach solutions to reach project objectives within time and cost;
    - Planning: define scopes of work, duration, cost estimates, sequencing, risk and planning for change management;
    - Managing issues and change/deviation requests and providing appropriate solutions.
- ***Behavioral Competencies:***
    - Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;
    - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
    - Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
    - Manage Complexity: Ability to analyze multiple and diverse sources of information to define problems accurately before moving to proposals/solutions;
    - Instill trust: Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.

The following important information shall apply to all jobs at ITER Organization:

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project's objectives.