Job Title: Integration Engineer IO0175

Requisition ID **8059** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Engineering of Systems - New Posting**

Fusion, the nuclear reaction that powers the sun and the stars, is a promising long-term option for a sustainable, non-carbon emitting global energy supply.

The ITER Organization (IO), based in the southern France, welcomes best talents who can together prepare the way to this new energy in a truly multi-cultural work environment.

We offer challenging assignments in a wide range of areas and encourage applications from candidates will all levels of experience. Applications from under-represented ITER Members' nations and women candidates are strongly encouraged, as IO strongly believes that a diversified, equitable, and inclusive workplace is crucial in solving one of the most complex scientific and engineering projects in the world today.

As the IO attracts and retains people coming from a vast array of different backgrounds and cultures, discrimination and exclusion cannot be tolerated. The IO believes it is our diverse perspectives and background that gives unique strength and value to the ITER mission, regardless of race, member nation, gender, religion, status, sexual orientation, or disability - all are welcome and respected at ITER.
The IO is committed to fostering a fair and equitable environment across all areas of the project, including compensation and benefits.
ITER CARE Values (Collaboration / Accountability / Respect / Excellence):
We perform our work with care, we care for the well-being of colleagues, our families and ourselves, and we care about the health of the planet for generations to come. CARE drives our work and our behaviors at ITER.

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

Application Deadline: 14/10/2025
Department: Engineering Services Department
Division / Program: Design Office and Mechanical Engineering Division
Job Grade: P1/P2 (SALARY SIMULATOR)
Language Requirements: Fluent in English (written & spoken)
Contract Duration: Up to 5 years

Please note that the entry grade of this position begins at P1 and the final grade offered to the selected candidate is subject to the decision of the IO Director General.

Overview

Are you looking for an exciting opportunity at the heart of an ambitious fusion energy project? Join our Design Office and Mechanical Engineering (DOME) Division, within the Engineering Service Department (ESD) as an Integration Engineer.

As an **Integration Engineer** your goals will include:

- Performing physical (geometrical) integration & configuration management activities of layout including equipment, components, systems and structures within buildings on the ITER site.
- Providing input and technical support in the resolution of layout problems for the given scope of activity by collaborating with relevant technical units.
- Ensuring deliverables are produced according to project schedule and budget, within a quality-assured environment that requires rigor and a systematic way of working.
- Developing, under the leadership of your discipline manager, your skills and experience for the benefit of the Project.

The Engineering Services Department (ESD) provides the required skilled engineering resources or services, which are necessary for the successful completion of the ITER Project.
DOME Division provides technical support to the ITER project in the field of providing an efficient, reliable and high availability CAD infrastructure to the entire project, based on project requirements, quality and priority. Being a member of the DOME Division, you will have the opportunity to share and develop your expertise with other colleagues working in the same discipline on different ITER units.

Key Duties & Responsibilities

Primary Responsibilities

- Ensures the physical integration of components and systems, focusing on the overall coherency between disciplines (piping, electrical…), type of deliverables (3D, 2D and documents) and project requirements propagation / implementation
- Ensures the physical implementation of common requirements across the ITER Project as per the final layout requirements of the scope of activity.
- Coordinates the production of general layout/arrangement drawings and 3D Configuration Models.
- Identifies issues and proposes resolutions of layout problems for the given scope of activity by collaborating with relevant technical units.
- Supports the implementation of all processes related to design integration and configuration management with a particular focus on 1D, 2D and 3D coherency
- Ensures that all safety requirements and layout guidelines are correctly implemented and up to date for all project phases.

Additional Responsibilities

- Supports the assessment of Project Changes Requests (PCRs), Deviation Requests (DRs), Non-Conformance Requests (NCRs) ensuring the prompt implementation of the required changes in the layout as per design, assembly and construction requirements.
- Supports the development and management of integrated design/construction solutions for the implementation of transverse functions/requirements according to schedule of the area's final design phase.
- Provides expert criteria for physical integration-related problems and follows-up on the resolution of the field engineering changes and installation non-conformances.

Please note that job descriptions cannot be exhaustive, and the staff member may be required to undertake other duties, which are broadly in line with the above primary responsibilities.

Experience & Competencies

Essential:

- **Proven experience** in physical integration / plant layout on a complex construction project, preferably in a nuclear environment.
- **Physical Interface Management:** Identifying, specifying, designing, validating and maintaining physical (geometrical) interfaces between various equipment, components, systems and structures. Defining space reservation for pre-conceptual designs and investigate/resolve clashes at all levels of design maturity.
- **Configuration:** Controlling and documenting changes to project or system components.
- **Codes and Standards**: Understanding and applying industry, discipline or job-specific codes, standards, and regulations to ensure that products, services, and processes comply with applicable requirements and legal frameworks.
- **Drawings/Diagrams**: Familiarity in interpreting CAD diagrams.
- **Continuous Improvement:** proposing changes to processes and systems to enhance efficiency, quality, and productivity over time.
- **Quality Management Systems (QMS):** apply the applicable procedures related to your field of activity.

Desirable:

- **Scope Management:** Defining, controlling, and managing the work scope of a project or activity, including the identification and management of changes, development of detail work schedules, monitoring the status of the project and generating effective reports on of the work.
- **Organizational Savvy:** maneuvering comfortably through complex policy, process, and people related organizational dynamics.
- **Optimizes Work Processes:** knowing or identifying the most effective and efficient processes to get things done, with a focus on continuous improvement.

Qualifications

Essential:

- Master's degree or equivalent in an Engineering field or other relevant discipline.
- *The required education degree(s) may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.*

The following items apply to all jobs and job holders for the duration of tenure at ITER Organization:

- **The CARE Values are a framework of principles that guide our actions and define the culture and spirit of the ITER Project:**

Collaboration: We collaborate with commitment and flexibility using the power of teamwork, building partnerships, and working with others to reach shared objectives;

Accountability: We are accountable for the whole project - we take responsibility for our specific actions and are transparent in our daily work, holding self (ourselves) and others accountable to meet commitments;

Respect: We treat each other with respect and dignity at all times, knowing that all of us belong here. We appreciate the value that our multicultural and diverse community brings to the ITER Project;

Excellence: We are driven by excellence; we are agile and innovative while maintaining the highest standards of safety, quality and integrity;

- **ITER Core Technical Competencies**:
  1) **Nuclear Safety, Environment, Radioprotection and Pressured Equipment**
  2) **Occupational Health, Safety & Security**
  3) **Quality Control & 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 perform other duties in support of the project as defined by your line manager, and when relevant upon the request of the matrix manager;
- May be requested to work outside the ITER Organization reference working hours, including nights, weekends and public holidays, due to business needs - this may include on-call, shift work, etc.
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- For staff expected to perform on-call, shift hours, or other work outside ITER Organization reference working hours, including nights, weekends, and public holidays, **the possession of a driving license valid in France is required. no commuting vehicle will be provided by the ITER Organization.**
- Informs management of any important and urgent issues that cannot be handled by line or matrix management and that may jeopardize the achievement of the Project's objectives;

The ITER Organization (IO) is an Equal Opportunity organization committed to diversity and inclusive in the workplace.