

Job Title: Project Engineer IO0565

Requisition ID **8049** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Machine Operations - 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 with 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: 21/09/2025

Department: Engineering Services Department

Division / Program: Assembly & Commissioning Support Div.

Section / Project:

Job Grade: P3/P4 ([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 P3 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 Assembly and Commissioning Support Division (ACSD) within the Engineering Service Department (ESD) as a Project Engineer.

As a **Project Engineer**, your goals include:

- **Providing project engineering expertise** throughout the design, procurement, construction, installation, commissioning, and handover of the assigned scope.
- Ensuring deliverables are produced within a quality-assured environment that requires rigor and a systematic way of working.
- Developing, under the leadership of your Line manager, your skills and experience for the benefit of the Project.

The ESD provides the required skilled engineering resources or services, which are necessary for the successful completion of the ITER Project.

The ACSD Division provides technical support to the ITER project in the assembly of the machine and the plant systems, site coordination and in-field engineering support to installation activities, component and system commissioning and operation of the systems once the commissioning is complete. Being a member of the ACSD Division, you will have the opportunity to share and develop your expertise with other colleagues working in the same discipline in different ITER units.

Key Duties and Responsibilities

Primary Responsibilities:

- Manages, is accountable and acts as key reference for the scope of activity.
- Leads and implements actions required to resolve technical and engineering issues, ensuring relevant design standards and codes are followed to high-quality levels for the assigned scope.
- Manages the assembly and installation sequence with special view to the required assembly tools, ensures configuration, interface and quality management for construction activities and develops commissioning plans for the assigned scope.
- Puts safety at the heart of all actions as a priority and contributes to the establishment of a nuclear safety culture.
- Ensures that necessary documentation, technical activities, procurement and contract management are executed in line with budget and schedule requirements.
- Executes assigned contracts, prepares briefs, scopes of work and input into bid proposals.

Additional Responsibilities:

- Manages quality issues and technical changes all along the project lifecycle, ensuring effective support to the relevant technical units.
- Liaises with and provides guidance as required with technical stakeholders in relevant matters, reporting progress to management and follows-up on the resolution of the field engineering changes and installation non-conformances.
- Ensures that lessons learned and engineering solutions are well propagated within the team and implemented to mitigate future issues.

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:

- **Extensive experience** in leading project engineering activities, ideally with an industrial background and /or in the field of fusion, nuclear or science plant facilities.
- **Mechanical Engineering:** Knowledge, capability and practices involving the design, development and testing of systems, associated with mechanical equipment and facilities structures.
- **Mechanical Structures' Calculations:** Reviewing complex stress analyses or structural integrity assessments on mechanical components e.g. tools.
- **Assembly Tooling:** Defining, selecting, manufacturing, using, or maintaining complex assembly tools for the assembly or disassembly of mechanical and structural components, including related mock-up testing, training and qualification.
- **Project and Scope Management:** Defining, controlling, and managing the work scope of a project or activity, including the identification and management of changes. This includes scope definition and breakdown of scope into WBS, work packages, deliverables
- **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:

- Software/software development knowledge used in the control & operations of interlinked complex tools within a construction environment.
- **Nuclear Engineering:** Applying nuclear principles to engineering activities such as design, analysis, and operation of systems and processes involving large components and structures.

- **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.

Desirable:

- Certifications such as project management etc.
 - *The required education degree(s) may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.*
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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.