

Job Title: Mechanical Field Engineer IO0151

Requisition ID **7631** - 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 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.

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: 05/01/2025

Department: Engineering Services Department

Job Family: Engineering

Job Role: Engineer – 2

Job Grade: P2/P3

Language Requirements: Fluent in English (written & spoken)

Contract Duration: Initial Employment Contract up to five years with possibility for extension

Overview

Are you looking for an exciting opportunity at the heart of an ambitious fusion energy project?

Join us as a **Mechanical Field Engineer** where your goals will include:

- Overseeing and managing mechanical systems and equipment in the field to ensure they are installed, tested and commissioned according to design specifications and standards, safety regulations, and project milestones.
- Serving as the bridge between field operations and all other project transverse functions, providing wide ranging technical expertise when needed.
- Troubleshooting issues as they arise, and making documented decisions to address issues, while not delaying the installation process.

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

Key Duties and Responsibilities

Primary Responsibilities:

- Oversees site and construction processes, including inspection and testing, to ensure compliance with safety and quality standards.

- Performs walkdowns, identifies punch items, and resolves in-field design changes (Non-Conformance Reports -NCR-, Deviation Requests -DR-, Field Change Requests -FCR-...) generated during construction activities.
- Diagnoses mechanical issues in the field and plans, organizes and drives efficient technical solutions by using transversal technical expertise and quick, documented decision-making, recommending modifications to enhance system performance or address construction challenges.
- Manages interfaces between different systems, components and stakeholders, resolving any conflicts or issues.

Additional Responsibilities:

- Plans, develops and organizes solutions to fix technical issues, in order to ensure completion within cost, schedule and quality, while monitoring and reporting progress to the Project Leader.
- Supervises those responsible for the day-to-day mechanical construction activities and ensures the proper planning of resources.
- Ensures all changes to specifications, work scope and drawings are documented, and drafts technical reports to support project activities.

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:

- **Comprehensive experience** in mechanical engineering, system design, installation, construction and/or commissioning.
- **Mechanical Engineering:** Specifying, designing, manufacturing, testing, installing and maintaining mechanical components, systems and interfaces.
- **Overall Assembly and Installation:** Arranging, assembling, aligning and positioning manufactured components and systems at designated locations.
- **Functional and Physical Interface Management:** Identifying, specifying, designing, validating and maintaining functional and physical interfaces.
- **Quality Control:** Techniques and activities, including monitoring, inspection and corrective measures, to ensure that components, products and services comply with all applicable requirements and standards.
- **Interpersonal Savvy:** Relating openly, positively and comfortably with diverse groups of people.

Desirable:

- **Project Management: Planning,** organizing, executing, and controlling projects to meet specific objectives within scope, time, cost, and quality constraints.
- **General Equipment Testing and Commissioning:** Evaluating and verifying systems or subsystems, which are installed or subject to R&D, for their functionality, performance, safety and conformance to design requirements before putting into operation.
- **Nuclear Engineering:** Applying nuclear principles to engineering activities such as design, analysis, and operation of systems and processes.

Qualifications

Essential:

- Bachelor degree or equivalent in a Mechanical 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.*
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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.