Job Title: Mechanical Technician, Tooling IO0232

Requisition ID **8172** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Construction and Installation** - **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: 07/12/2025
Department: Engineering Services Department
Division / Program: Assembly & Commissioning Support Div.
Section / Project: Assembly Tranversal Activities Section
Job Grade: G4/G5 (SALARY SIMULATOR)
Language Requirements: Fluent in English (written & spoken)
Contract Duration: Initial Employment Contract up to five years with possibility for extension
Please note that the entry grade of this position begins at G4 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 within the Engineering Service Department (ESD) as a Mechanical Technician supporting the operation of assembly tools.

As a **Mechanical Technician, Tooling,** your goals will include:
- Operating and testing the hydraulic / motor powered assembly tools which have been designed to lift, adjust, transport and align components during the assembly of the ITER Tokamak device.
- Following up the resolution of any potential issues with the tools concerned.
- Developing, under the leadership of your discipline manager, your skills and experience for the benefit of the Project.

The Assembly and Commissioning Support Division aims to plan and perform the assembly of the machine and the plant systems, perform site coordination and in-field engineering support to installation activities and perform the component/system commissioning.
The ESD provides the required skilled engineering resources or services, which are necessary for the successful completion of the ITER Project.

Find out more here about Assembly Tooling on the ITER Project: https://www.iter.org/project/assembly-tooling

Key Duties & Responsibilities

Primary Responsibilities
- Operates and supervises the operation of the main hydraulic/complex tools used for the assembly of the machine.
- Performs installation, testing, commissioning of any new hydraulic tools and supervises contractors as required.
- Performs the maintenance of the tools to ensure that their availability is at the expected level and will not impact the assembly schedule.
- Monitors technical documentation related to the tools' operation (assembly and operation procedures, maintenance instructions, etc.).
- Contributes to the development of plans and procedures for the activities to be performed, including the coordination of contractor activities on site.
- Troubleshoots issues, performs tests and analyses of the hydraulic tools to offer solutions to optimize and minimize impact where possible.

Additional Responsibilities
- Applies relevant Quality Assurance (QA) & Quality Control (QC) requirements and standards for tools, components and systems, in close relation with the Quality Management Division (QMD).

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.

This position may require shift rotation and/or availability including day, evening, and night shifts, as well as weekends and holidays, depending upon project or team needs. This position also requires working at height.

Experience & Competencies

Essential:
- **Proven experience** in the operation and maintenance of complex assembly tools, in particular hydraulic tools.
- **Onsite Support:** Support of tooling operation and associated activities/contractors on a large scale facility (manufacturing workshop, plant, etc.).
- Practical knowledge of **health and safety and environmental protection** regulations on a construction site/facility.
- **Managing Complexity:** Ability to analyze multiple and diverse sources of information to understand/define problems accurately before moving to proposals.
- **Communicates Effectively:** Ability to facilitate dialogue with a wide variety of contributors and stakeholders.
- **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:
- **Mechanical Engineering:** Knowledge in designing mechanical equipment and facilities structures.
- **Managing Complexity and Problem Solving:** Ability to analyze multiple and diverse sources of information to understand/define problems accurately before moving to proposals.
- **Optimizes Work Processes:** knowing or identifying the most effective and efficient processes to get things done, with a focus on continuous improvement.

Qualifications

Essential:
- Bachelor's degree or equivalent in the field of mechanics or machinery

Desirable:
- Electrical qualifications or certifications.
- *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.