Job Title: Quality Engineer IO0568 & IO0233

Requisition ID **7827** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Safety and Security** - **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.

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: 06/04/2025
Department: Safety & Quality Department
Division / Program: Quality Management Division
Section / Project: Quality Supervision Section
Job Grade: P2
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 **Quality Engineer** where your goals will include:

- Implementing quality supervision to support ITER programs and projects to achieve quality objectives and provide expertise and support to the technical staff in all relevant matters.
- Quality supervision and control of the components and plant systems including safety related nuclear components and critical components of ITER during the procurement, construction, testing and commissioning phases.

The Quality Supervision Section within Quality Management Division, ensures independent monitoring and quality supervision of activities executed by performers, throughout all ITER project phases. The team are responsible for witnessing inspections and controlling hold points for release, in accordance with the project quality control plan based on the technical and regulatory requirements.

Key Duties and Responsibilities

Primary Responsibilities

- Implements Quality Assurance and Quality Supervision activities under the assigned IO projects and programs.
- Independently assesses quality-related activities during process executions from performers (IO operational teams and/or work contractors) to check compliance with Quality requirements.
- Plans and performs quality supervision inspections of activities during the procurement of materials and the fabrication of components and systems ensuring that all components and systems are compliant with applicable regulation (e.g. European and Pressure Equipment Directive) and applicable design code (e.g. RCC-MR).
- Reviews the existing and newly developed Inspection Plans for the procurement, manufacturing and installation of the ITER Systems, Structures, or Components (SSCs) and collaborates with the technical staff to define the acceptance requirements and acceptance testing.
- Reviews inspections, test results and records provided by suppliers and writes inspection reports.
- Supports the Responsible Officers by monitoring and following up the procurement for fabrication, final delivery and installation of SSCs including nuclear components.
- Supports the Responsible Officers to assess and demonstrate compliance with regulatory requirements as per authorization requests to put the system into service.
- Checks the implementation of all requirements dictated by the Agreed Notified Body and related to the French Regulations for Pressure and Nuclear Pressure Equipment.
- Ensures compliance of the design and construction with RCC-MR (and/or RCC-MX) code.

Additional Responsibilities

- Identifies deviation and non-conformities and participates in the process of Non-Conformance Reports (NCR).
- Performs routine monitoring activities, such as day-by-day interactions with the contractors, DAs and their suppliers; organizes regular progress and dedicated meetings, performs routine and unscheduled inspections at the supplier’s premises and witnesses intermediate and final acceptance tests in accordance with Manufacturing Inspection Plans (MIPs).

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 is shift and/or on-call based, and crucial to maintaining continuous operations and ensuring the highest level of service for our stakeholders. This requires shift rotation and/or availability including day, evening, and night shifts, as well as weekends and holidays, depending upon project or team needs.

Experience & Competencies

Essential:

- Proven experience in Quality Supervision in the field of nuclear or a large construction project within complex international environments.
- **Manufacturing:**
  - Supervision of components for Nuclear Pressure Equipment and/or Pressure Equipment.
  - Manufacturing processes, testing and inspection and supervision (including procurement of material, forming, welding, non-destructive Testing, leak testing and pressure testing, etc.); also including those for stainless steel structures.
- **Nuclear quality assurance** program, especially the design control and configuration management processes and implementation.
- General knowledge of nuclear safety regulations, codes and standards.
- Basic Project Management experience.
- Knowledge of inspection techniques including Welding & non-destructive Testing and practical experience in performing inspection.

Desirable:
- Depending on the specific duty, proven experience in applying the RCC-MR/RCC-M or ASME codes to Pressure Equipment.
- Experience in implementing all requirements related to the French Regulation for Pressure and Nuclear Pressure Equipment, including Conformity Assessment of Nuclear Pressure Equipment.
- Ability to facilitate dialogue with a wide variety of contributors and stakeholders.
- Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment.

Qualifications

Essential:
- Master’s degree or equivalent in 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.*

Desirable:
Pressure Equipment Directive (PED) inspector, Welding Engineer, NDT or other inspection certification/training.

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.