

## Job Title: Remote Handling Engineer IO0805&IO0556

Requisition ID **7151** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Engineering of Systems - New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

ITER Organization (IO) is an Equal Opportunity/Inclusive organization committed to diversity in the workplace, with diversity and Inclusiveness being one of the ITER Values.

As IO attracts and retains people coming from a vast array of different backgrounds and cultures, bias and exclusion cannot be tolerated. IO believes it is our diverse perspectives and backgrounds 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.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this [video](#)

**Application Deadline:** 19/11/2023

**Department:** Engineering Design Department

**Division:** Hot Cell Facility Division

**Section:** Remote Handling Section

**Job Family:** Engineering

**Job Role:** Engineer – 3

**Job Grade:** P3

**Language Requirements:** Fluent in English (written & spoken)

**Contract Duration:** Up to 5 years

**Two vacancies**

### **Purpose**

As a Remote Handling Engineer, you will support Remote Handling (RH) activities for systems(s) design, Research & Development (R&D), procurement specification and procurement project management. Throughout your activities, you will maintain effective configuration control and safety requirements on associated systems.

### **Background**

The role of the ITER Remote Handling Section is to carry out the design, development, integration, commissioning and future operation of remote handling / robotic equipment for the maintenance and inspection of ITER systems, structures and components during nuclear operation.

The role described here relates to the function of Remote Handling Engineer who will be part of an integrated, multi-disciplinary team established to fulfil the global role of the Section.

## Key Duties, Scope, and Level of Accountability

- Develops, reviews and monitors the Remote Handling system(s) design, R&D, procurement and integration within the global ITER facility;
- Provides support on transitioning to an RH operations phase with elaboration of necessary trials and logistics, as well as contributing to the development of on-site RH operation capabilities,
- Examines the design of ITER machine components to assess their suitability to meet the requirements for remote maintenance;
- Suggests and implements improvements to the ITER machine components and RH tools/systems design to achieve compatible interfaces between components and RH in close collaboration with system / component designers;
- Develops detailed, step-by-step definitions of RH maintenance processes in keeping with ITER component and RH system baseline designs;
- Develops and maintains the technical specifications for R&D contracts and procurements related to RH topics;
- Enforces and maintains effective configuration control on RH systems;
- Effectively interfaces and collaborates with ITER domestic agencies, laboratories and industries involved in R&D and/or procurement for RH systems;
- May be requested to perform other duties in support of the project;
- May be required to work outside the ITER Organization (IO) reference working hours, including nights, week-ends and public holidays.

## Measure of Effectiveness

- Effectively communicates with the designers of ITER machine components to optimize the design and performance of both components and remote maintenance equipment;
- Controls, monitors and respects the cost and schedule for the execution of the RH R&D and procurement activities;
- Proposes efficient technical solutions of maintenance, operation and recovery of RH systems;
- Efficiently develops and maintains technical interfaces with DAs, laboratories and industry to ensure that the design activities and procurement processes are compliant with quality, schedule and cost requirements.

## Experience & Profile

- **Professional Experience:**
  - Minimum 8 years' experience in technical integration/coordination during the construction and/or operation of large (science or industry) projects;
- **Education:**
  - Master degree or equivalent in an Engineering field 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.
- **Language requirements:**
  - Fluent in English (written and spoken).
- **Technical competencies and demonstrated experience in:**
  - Design, analysis, integration and/or operation of remote operated / robotic systems for maintenance of fusion and/or nuclear devices;
  - Preparing and monitoring design, research and/or manufacturing contracts in an international environment;
  - Procurement management of large and complex systems, including writing technical specifications;
  - CAD production: Ability to develop 3D CAD models and 2D drawings using established proprietary software packages is required. A working knowledge of CATIA V5 and/or ENOVIA software is an advantage;
  - Use of Virtual Reality modelling tools would be an advantage;
  - Working within complex international environments would be an advantage.
- **IO Core Behavioral Competencies:**

- Collaborate: Ability to facilitate dialogue with a wide variety of contributors and stakeholders in an open and transparent manner;
- Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
- Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
- Manage Complexity: Ability to analyze multiple and diverse sources of information to understand/define problems accurately before moving to proposals;
- Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty, honesty and integrity.

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***The following important information shall apply to all jobs at ITER Organization:***

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core Technical Competencies (Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members) :
  - 1) Nuclear Safety, Environment, Radioprotection and Pressured Equipment
  - 2) Occupational Health, Safety & Security
  - 3) Quality Assurance Processes
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General or Department Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project's objectives.
- 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.