

Job Title: Principal Shift Operator SCOD-091_092_093

Req ID **980** - Posted **27/11/2019** - (France, 13067 St Paul Lez Durance Cedex) - **Construction and Installation - 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.

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 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.

Application deadline: 12/01/2020

Domain: Science & Operation

Department: Science, Controls & Operation

Division: Operations

Section: Not Applicable

Job Family: Project Engineering

Job Role: Coordinating Technician Engineer - Early Career

Job Grade: G5

Language requirements: Fluent in English (written & spoken)

Contract duration: Up to 5 years

Purpose

Three openings

As a principal shift operator, you will contribute to the safe, efficient and reliable operation of the ITER facility, plant systems, and Tokamak on a 24 hour, 7 day per week basis, by leading a shift team of operators.

Background information:

The Operations Division is responsible for developing plans, procedures, and implementation of commissioning, operation and maintenance of the ITER Tokamak and plant systems. A team of operators will monitor and control the various plant systems and Tokamak 24/7 from the control room, conduct regular equipment inspections, supervise maintenance activities, and take all necessary actions to ensure safe and reliable function.

Major Duties/Responsibilities

- Monitors and operates plant control systems and safety systems, follows procedures to ensure safe and reliable operation of the plant;
- Responds to alarms by following the appropriate procedures, taking necessary recovery action including calling in appropriate staff;
- Configures and operates systems according to operating instructions to support the experimental and operational needs;

- Informs the System Operations Responsible Officer of any events or conditions that could influence plant operations and safety;
- Leads a rostered team of operators, organises and participates in patrols, inspections, and the identification and resolution of operational and safety issues;
- Contributes to the writing of operating and commissioning test procedures and reports;
- Performs commissioning tasks according to test procedures, records results and diagnoses faults and failures;
- In case of accident or incident during shift operations activities, operates the systems, following dedicated procedures, to maintain or bring the ITER facility into a safe state;
- Performs Lock Out, Tag Out (LOTO) actions on equipment according to operating orders, ensuring hazardous energy sources are isolated and rendered inoperative;
- Routinely required to work shifts outside normal working hours, including nights, weekends and public holidays;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project.

Measures of Effectiveness

- Ensures safe and efficient operation, achieving required system reliability, and availability of the service provided to clients;
- Ensures all activities are properly authorised and tracked;
- Performs periodic inspections of processes (quality of record sheets, round monitoring, LOTO performance, etc.) to ensure accuracy and quality;
- Attends daily operation coordination meetings between Commissioning, Operations, Maintenance and Construction and issues reports accordingly;
- Effective allocation of operations and commissioning tasks to the operators.

Experience & Profile

- **Professional Experience:**
 - At least 9 years' experience in the role or job function of plant equipment operation in large scale facilities.
- **Education:**
 - At least 2 years post-secondary qualification, certification, or vocational training in technical or engineering field or other relevant discipline;
 - Training and certifications in a minimum of two of the following: Lock Out, Tag Out systems, high voltage electrical equipment, chemical risks, cryogenic, high pressure and in areas implementing radiological protection;
 - 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);
 - Spoken French language skills will be considered advantageous.
- **Technical experience and demonstrated competencies in:**
 - Working in a Superintendent role;
 - Specialized domains of work: operation of cooling water systems, cryogenic plant, petrochemical industry, pharmaceutical production, electricity generation, nuclear or steam propulsion equipment, nuclear fusion or other large scale research facility experience;

- Problem solving: assessing problems and reaching practical solutions in a consistent way to reach project objectives;
 - Using office software suite (MS Office: Word, Excel, Outlook).
 - **Behavioral Competencies:**
 - Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;
 - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work;
 - Manage Complexity: Ability to gather multiple and diverse sources of information to understand problems accurately before moving to proposals;
 - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty 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 of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) 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 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, Domain Head, or Department/Office 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.