Job Title: Principal Shift Operator IO1041

Requisition ID **4862** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Machine Operations** - **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 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: 26/12/2021
Domain: Science & Operation
Department: Science,Controls & Operation
Division: Operations
Job Family: Commissioning & Operations
Job Role: Principal Shift Operator
Job Grade: G5
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purpose

As a Principal Shift Operator, you will lead a team of operators on a 24/7 shift basis. You will focus on prioritizing tasks for the team and identifying/solving operational and safety issues as required. The operator team ensures the safe, efficient and reliable operation of the ITER facility, plant systems and Tokamak.

Background

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 works, participate to commissioning activities and take all necessary actions to ensure safe and reliable function.
This position is assigned to the Site Services Group.

Key Duties, Scope, and Level of Accountability

- Leads a rostered team of operators by organising patrols and inspections;
- Prioritizes and delegates tasks as required to shift operators;
- Identifies and resolves operational and safety issues;
- Monitors activities and reports to management regarding operational and safety issues;
- Is accountable to take necessary recovery action in response to alarms, including calling in appropriate staff;
- Writes and/or reviews operating and commissioning test procedures;

- Executes and operates plant control systems and safety systems, follows procedures to ensure safe and reliable operation of the plant;
- Arranges and operates systems according to operating instructions to support the experimental and operational needs, following appropriate procedures;
- Informs the System Operations Responsible Officer of any events or conditions that could influence plant operations and safety;
- Participates in patrols, inspections and contributes to the identification and resolution of operational issues;
- Contributes to write operating and commissioning test 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, responds to alarms and under the coordination of the System Operations Responsible Officer, operates the systems by 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.

Measure of Effectiveness

- Allocates tasks and communicates clearly with the operator team to ensure that tasks are carried out as specified, in a timely and safe manner;
- Ensures accuracy and quality of the team's performance and solves issues as per the project's requirements ; also by performing efficient periodic inspections of processes;
- Writes clear and efficient operating and commissioning procedures and supports the team in their correct application;
- Ensures the safe and efficient operation of the plant control systems, achieving the required system reliability and availability of the service provided to clients;
- Contributes to a safe working environment by ensuring all activities are properly authorised and tracked within the defined timeline and with the correct documentation;
- Accurately maintains records of all actions and events in the operation logbook;
- Respects procedures and working practices, in particular regarding three way communication, cross-checking, self-checking and adherence to pre-job briefings.

Experience & Profile

- ***Professional Experience:***
- Minimum 7 years' experience of leading a team in the field of plant equipment operation within complex international environments or projects.
- ***Education:***
- Bachelor degree 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;
- Training and certifications in a minimum of two of the following: Lock Out, Tag Out systems, high voltage electrical equipment, chemical risks, cryogenic and high pressure.
- ***Language requirements:***
- Fluent in English (written and spoken);
- Spoken French language skills may be considered advantageous.
- ***Technical experience and demonstrated competencies in:***
- **Working in a superintendent/principal shift operators** role in a large scale facility;
- **Coordinating the activities and leading** a number of shift workers;
- **Problem Solving:** Identifying problems in a comprehensive and fact-based manner (who, what, when, …), and if appropriate, following pre-defined procedures to solve issues; and assessing and solving problems, reaching practical solutions in a consistent way to reach project objectives;

- **Operations:** Writing operating or commissioning test procedures, and following detailed procedures and identifying areas of improvements, proposing corrections and recording actions;
- **One of the following domains for working with and understanding technical instructions and documentation for the 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;
- 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.

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.