Job Title: Assembly Mechanical Engineer IO0511

Requisition ID **3360** - Posted **07/12/2020** - (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 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: 17/01/2021
Domain: Construction
Department: Machine Construction
Division: Not Applicable
Section: Machine Assy. Planning & Contract Mgmt.
Job Family: Project Engineering
Job Role: Engineer - 2 / Coordinating Engineer
Job Grade: P3/P4
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purpose

As an Assembly Mechanical Engineer, you will be responsible for the management of the Tokamak machine assembly tools dedicated to heavy components.
You will lead the coordination of technical instructions and trainings for various users of the specially designed tools.
Additionally, you will ensure effective liaison and interface management to assess the purpose-built tools from various Assembly Contractors.

Background

One of the main functions of the Machine Assembly Integration Section is the integration of more than 150 purpose–built tools. Integration of the purpose-built tools mainly covers the scope of maintenance, operation, and handover to assembly contractors with proper instructions to ensure the best readiness for each tokamak assembly stage. To perform these important tasks, we are looking for an engineer with sufficient knowledge and experience, as most of the purpose-built tools have been designed to handle various heavy components with high precisions through special and complex functions.

Major Duties/Roles & Responsibilities

- Ensures that all purpose-built tools are compliant with required functions and regulations through technical leadership on maintenance, preservation, optimization as required, enhancement of the functions, and operations of the tools;

- Technically manages all tools from Domestic Agencies and contractors on site for Ex-vessel Assembly tasks, by defining functions, associated documents and regulations, and solving interface issues between tools and components in Ex-vessel zone;
- Technically leads in matters related to updating documents including as-built drawings, CE marking related matters etc.) for all tools related to Ex-vessel Assembly tasks;
- Coordinates instructions and training regarding the use of purpose-built assembly tools;
- Communicates and collaborates with various stakeholders to refine and improve the assembly procedure and/or acceptance criteria based on technical expertise on various functions of the purpose-built tools;
- Contributes to the 'IO Tooling Baseline' by collaborating with other stakeholders and ensuring all necessary updates are made in relation to tooling activities;
- Supports the Group Leader in matters related to management of the purpose built tools, and commercially available standard tools', particularly related to the planning of their preservation/regulatory inspections of the tools and equipment;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, week-ends and public holidays.

Measure of Effectiveness

- Ensures that the purpose-built tools meet reliability, safety and technical standards and requirements by establishing an effective working structure;
- Maintains effective communication within ITER Organization colleagues and stakeholders to solve issues promptly related to assembly tools;
- Provides thorough and effective training to collaborators regarding the machine assembly tools;
- Works proactively and ensure maintenance of purpose-built tools to anticipate potential issues which minimize disruption to the project's schedule and cost.

Experience & Profile

- ***Professional Experience:***
  - At least 8 years' (10 years' for P4 level) experience working as Mechanical Engineer in design, manufacture, testing, and integration of mechanical devices to handle heavy components on a large-scale construction project or a complex project-oriented organizational structure.
- ***Education:***
  - Master's degree or equivalent in Mechanical 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:***
  - Developing or evaluating heavy component handling equipment;
  - Building on past experience and identifying lessons learned in order to develop/implement improvement and optimization actions;
  - Assembly work and heavy duty handling of large structures with tight tolerances;
  - Assessing problems autonomously, identifying root causes, and reaching practical solutions in a consistent way to reach project objectives respecting schedule and cost;
  - Knowledge and skills needed to work independently on the means and methods in the domain of work;
  - Ensuring appropriate and certified equipment is used;
  - Project-oriented working environment and site construction management is required.
- ***Behavioral Competencies:***
  - Collaborate: Ability to facilitate 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;
- 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 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, **r**adioprotection 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 lline management and that may jeopardize the achievement of the Project’s objectives.