Job Title: Metrology Survey Technician IO1052

Requisition ID **4560** - Posted - (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: 17/10/2021
Domain: Construction
Department: Machine Construction
Section: Machine Assy. Integration
Job Family: Construction
Job Role: CNST Technician – 3
Job Grade: G4
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purpose

As Metrology Survey Technician, you will carry out dimensional control surveys and inspections and validate contractor supplied data during the assembly of the ITER machine and associated plant systems. The scope of work will cover as-built surveys, planning activities, dimensional inspections, and the management of the metrology group's instruments for calibration and maintenance.

Background

The Survey Technician will work within the Metrology, Reverse Engineering, Inspection & Test Group; which is responsible for ensuring the correct implementation of dimensional control and alignment activities for Construction of the ITER machine.

Key Duties, Scope, and Level of Accountability

- Performs as-built surveys to qualify and report on the status of key building interfaces;
- Validates geometric reference networks for ITER machine assembly and associated equipment and plant systems;
- Conducts dimensional control surveys during the establishment of the ITER control networks and during subsequent monitoring campaigns;
  - Carries-out pre-alignment surveys on machine components and associated equipment using 3-dimensional measuring systems;
  - Ensures metrology instruments are maintained and calibrated as per the suppliers recommendations and all records are appropriately filed;

- Completes and follows-up on work procedures and inspection reports to ensure tracking of each alignment and inspection task;
- Participates in factory acceptance tests to qualify dimensional compliance of ITER components;
- 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.

Note: 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

Measure of Effectiveness

- Produces requested high quality surveys within the defined timeline;
- Generates and maintains coherent, comprehensive, and understandable documentation related to instruments or progress reports within defined timelines;
- Communicates information effectively with stakeholders across ITER Organization;
- Complies with the ITER Quality Assurance (QA) program and safety requirements;

Experience & Profile

- ***Professional Experience:***
  - At least 5 years' experience working as a survey engineer in the field of large volume metrology.
- ***Education:***
  - Bachelor's degree or equivalent in Mechanical Engineering 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:***
  - Application of industrial measurement techniques relevant to precision alignment;
  - Surveying techniques and best-practice measurement processes;
  - Application and operation of portable measurement systems utilizing instruments such as theodolites, total stations, digital and optical levels, laser trackers and photogrammetry;
  - Interpretation of engineering drawings and geometric tolerances;
  - Technical writing and presentation: write or review technical documents in the domain of expertise, transmitting knowledge and data with clarity and precision;
- ***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, 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.