# Job Title: Process Installation Section Leader IO0591

Requisition ID **3500** - Posted **20/01/2021** - (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:** 28/02/2021
**Domain:** Construction
**Department:** Machine Construction
**Division:** Tokamak Complex
**Section**: Process Installation
**Job Family:** Line Management
**Job Role:** Section Leader
**Job Grade:** P5
**Language requirements:** Fluent in English (written & spoken)
**Contract duration:** Up to 5 years

## Purpose

As Process Installation Section Leader in the Machine Construction Department, you will manage a team of engineers and technicians responsible for ensuring the technically robust, code compliant, cost effective and timely, rational installation of mechanical and electrical systems inside the Tokamak Complex. You and your team will ensure that constructability is taken into account in the design of systems and their subsequent manufacture and/or prefabrication by the selected contracts you will manage, and thereafter play a key role in the execution of the associated on-site construction works up to mechanical completion.

*Background*
*The TPI Section is located in the Tokamak Complex Division within the Construction Domain of ITER. The Construction Domain is responsible for all construction activities associated with the ITER project. The Tokamak Complex Division in the Machine Construction Department has specific responsibilities for the installation of many of the systems within the Tokamak Complex other than the Tokamak Machine itself.*
*The TPI Section is specifically responsible for ensuring the successful installation of a large number of mechanical and electrical systems primarily through a number of large industrial installation contracts. The TPI section is required to collaborate closely with other internal and external stakeholders within the Project, in particular in relation to the completion of all Engineering dossiers, and with the external Construction*

*Management Company that is responsible for the overall coordination of site activities and the day-to-day supervision of on-site activities.*

## Major Duties/Roles & Responsibilities

- Prepares and implements the installation of mechanical and electrical process systems within the Tokamak Complex and Building 15, including the Surveillance of protection important activities by the external interveners, in the framework of the strategy of the ITER Organization (IO) for the preparation, management and execution of the construction of the Tokamak, plant and auxiliary systems;
- Is responsible, in close coordination with the Construction Management as Agent, for the installation activity in Tokamak Complex and Building 15 including the oversight of the works to be carried out by the contractors, review of the contractors' documents, planning of the co-activities, etc.;
- Ensures that constructability is managed in preparation for and during the system installation in the Tokamak Complex and Building 15;
- Reviews designs and defines construction processes optimized in terms of technical integration, cost saving and schedule adherence;
- Designs and prepares processes to assemble and install each component, with inputs from the Plant Breakdown Structure (PBS) Technical Responsible Officer;
- Implements construction contract(s) in conjunction with other stakeholders from the Construction Domain;
- Ensures that the construction works by contractors are in accordance with the specification requirements and project schedule requirements;
- In conjunction with the Contract Responsible Officers, ensures the overall implementation and success of the three large Process installation contracts within the Tokamak Complex;
- Pro-actively identifies issues or obstacles before components are constructed, in order to reduce or prevent errors, schedule delays, and cost increase;
- Is the focal point for oversight and coordination of the construction process and daily field engineering management activities, working closely with responsible officers and engineers for each PBS;
- Is the ITER center of excellence regarding assembly methods and processes, to support technical responsible officer and engineers;
- Ensures that the general layout and configuration are managed as per ITER Configuration Management;
- Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;
- Supports the development of overall strategies and plans for installation activity;
- Supports in the development of the construction baseline schedule for installation activity;
- Builds and maintains relationship with internal and external stakeholders;
- 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, weekends and public holidays.

## Measures of Effectiveness

- Manages the preparation and execution of the construction work on-time and within the budget;
- Manages resourcing including budgeting and cost control;
- Builds-up and manages effectively all staff of the Section to reach individual and team objectives;
- Is responsible for adherence to technical specifications and applicable codes and standards.
- Is responsible for Section's deliverables that meet safety standards, quality, schedule and cost requirements.

## Experience & Profile

- ***Professional Experience:***

- At least 10 years' experience in managing the design, manufacture, assembly and installation of large and/or complex projects in international nuclear environment.
- ***Education:***
- Master degree or equivalent in Mechanical Engineering, or other related 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:***
- Nuclear plant design, manufacturing, and assembly and installation of complex system(s), performing tasks within cost and schedule, reporting on progress and issues in a timely manner;
- Team management providing leadership and ensuring strategic resource planning, development of competencies, coaching the team members and proposing a training plan;
- Engineering managerial or coordinating position, preferably in a nuclear industry environment interacting with experts in different technical disciplines;
- Project management:
        - Reporting and control requirements and methodology, analyze and conclude on overall project status, define and decide actions for recovery;
        - Monitoring cost and schedule.
- Implementing nuclear quality assurance program, safety regulations, codes and standards.
- ***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/define 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, **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.