

Job Title: Mechanical Project Engineer IO0972

Req ID 1726 - Posted 07/05/2020 - (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: 21/06/2020

Domain: Construction

Department: Construction Management Office

Section: Site Planning and Coordination

Job Family: Project Engineering

Job Role: Engineer - 2

Job Grade: P3

Language requirements: Fluent in English (written & spoken)

Contract duration: Up to 5 years

Purpose

In this role, you will be responsible for achieving mechanical completion activities on the ITER site. You will endeavor to ensure that works completion activities are carried out successfully and in a timely manner by all stakeholders (Domestic Agencies [DAs], contractors, Construction Manager as Agent [CMA] and IO staff). This will be done by proactively collaborating and influencing construction stakeholders in the preparation of the Mechanical Completion Dossiers and the Mechanical Completion Certificate that formally marks the end of construction work and the start of the system commissioning and operation phase.

Background

Within the ITER Construction [CNST] Domain, the Site Planning and Coordination Section (SPC) is in charge of providing transversal support to construction works, pre-commissioning operations and site acceptance tests. SPC supports the Machine and Plant Construction Departments by preparing the transfer of the completion Dossiers to the relevant entities in charge of commissioning and operation. SPC aims to ensure that the dedicated completion processes and tools function in timely and compliant manner.

Major Duties/Roles & Responsibilities

- Continuously adapts, anticipates and plans for any issues which may cause a delay to the construction and completion process and subsequently, manages these issues appropriately, by defining, implementing and executing suitable action plans;
- Applies surveillance (as per French Safety order for nuclear installation) on the completion process for all items under CNST Domain scope;
- Acts as the key point of contact for the coordination of the different stakeholders involved in the completion process of a given system, including processes, tools and methods;
- Prepares, supervises and monitors all mechanical completion process for activities related to the delivery and testing of materials, equipment and systems;
- Develops and maintains Management Quality Program documentation for the scope of responsibilities;
- Drives the CMA team for Mechanical completion activities in the scope of the CMA contract;

- Coordinates technical discussions related to SmartPlant System Completion database (construction management tool used for the project), between the IO and DA Contract responsible officers;
- Ensures that the Completion database is accurately used and populated and trains/supports users when necessary;
- Monitors Completion activities of the contractors (not under CMA scope) accurately in the system;
- Liaises with IT for system/database improvement and closure of issues;
- Monitors the production of inspection and test records and follows their progress throughout the lifecycle of activities;
- Reviews Mechanical Completion Dossiers as provided by the contractors;
- Manages punch lists up to acceptance and then turns them over to the commissioning team;
- Supports the construction and quality teams to secure mechanical completion at the close of the construction phase;
- May be requested to be part of any of the project 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.

Measure of Effectiveness

- Works efficiently and communicates well with all internal and external stakeholders;
- Ensures that all necessary documentation is completed and kept up to date;
- Applies on time the completion processes and meets the foreseen milestone for the transfer to commissioning and operation; produces the completion process supporting documentation (in charge of SPC), organizes all associated necessary meetings and prepares records;
- Limits the number of snags to be dealt with after the transfer to commissioning and Operation;
- Proposes solutions and/or ensures that solutions are implemented as specified, avoiding reoccurrence, and escalates to line management when necessary, in a timely manner, when observing works-completion issues (technical, processes, etc.); Efficiently uses main project management tools (PLM, SmartPlant etc.) and properly learns new skills within the tools when possible.

Experience & Profile

- *Professional Experience:*
 - At least 8 years' experience managing or supervising mechanical completion and/or commissioning for the delivery and testing of materials, equipment and systems on a large scale international construction project.
- *Education:*
 - Master's degree or equivalent in Mechanical Electrical 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);
 - French knowledge would be an advantage.
- *Technical Competencies and demonstrated experience in:*
 - Quality assurance/ control fields (management, review or use of Inspection & Test Plans, Inspection & Test Records, quality standards);
 - Independently and accurately working in construction database management;
 - Systems engineering in a highly regulated environment, preferably nuclear with safety requirements;
 - Coordinating and supervising the activities of various stakeholders;
 - Regularly using construction management tools is mandatory (specific PLM or SmartPlant is advantageous).
- *Behavioral Competencies:*
 - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; ability to provide clear and concise direction

- Is flexible, involved and collaborates: Ability to dialogue and negotiate with a wide variety of contributors and stakeholders, and to provide the required support when needed;
- Manage Complexity: Ability to gather multiple and diverse sources of information to understand problems accurately before moving to proposals/solutions;
- Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
- Instill trust: Ability to model high standards of team mindset, trust, excellence, loyalty and integrity Organized and structured.

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.