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## JOB DETAIL

Ref. IO2059 - 12/11/2018

### Mechanical Installation Engineer CST-161

**Main job** Mechanics

**Department** CST / Construction Department

**Division** CST / Tokamak Complex Section/Division

**Job Family** Engineer - 1

**Application Deadline**  
(MM/DD/YYYY) 01/23/2019

**Grade** P2

**Direct employment** Not required

**Purpose** To play a key role within the Tokamak Complex Section/Division (TCS), which is primarily to ensure supervision, coordination and management of the systems installation inside the ITER Worksite, mainly on the contract for Tokamak Complex Building Services and related systems whilst adhering to the project's objectives in terms of cost, schedule, nuclear safety compliance, investment protection and performance.  
To supervise the preparation, updates and management of the construction input data and results for all of the associated installation works and completed installation outputs.  
To perform operator supervision and surveillance role during the Mechanical and Heating, Ventilation and Air Conditioning (HVAC) installation, testing and commissioning within the defined scope and schedule.

**Main duties / Responsibilities** Assists the Tokamak Complex Deputy in the coordination of the activities for the defined scope and schedule;  
Acts as the technical interface between the Construction Management Agent (CMA) and various IO Departments;  
Performs the review process of installation procedures, inspection and test plans as issued by the contractor;  
Assures consistency between the construction work package (CWP) issued by CMA and the "installation dossier" issued by the contractor;  
Reviews the installation schedule and the associated sequence of works, provided by the contractor and in agreement with the IO's requirements, as agreed in the Common Assembly Sequence (CAS) Schedule;  
Performs the technical review of non-conformance reports (NCR) or similar documents and replies to requests for information (RFI) when necessary;  
Assists during the testing and commissioning of components;  
Implements the surveillance and/or technical control of the Protection Important Activities as well as their propagation to the chain of the Contractors;  
Assures that the propagation of the Nuclear Safety requirement is in compliance with IO procedures and coordinates the final inspections at Handover and Take-Over of Nuclear Building Services;  
Collaborates with the HVAC and Liquid & Gas System Responsible Officers in implementing the safety requirements for the protection important components and for investment protection components;  
Undertakes the construction supervision for the installation, testing and commissioning activities;  
Ensures the proper implementation of the ITER management policies, procedures and work instructions, in particular those relating to Quality Assurance and safety, whilst taking into account the specific requirements of the French legislation pertaining to Nuclear Installations;

**Measures of effectiveness** May be required to work outside normal working hours, including nights, weekends and public holidays;  
May be requested to be part of any of the project/construction teams, task force, working group and to perform other duties in support of the project schedule;  
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;

Under the supervision of the Tokamak Complex Deputy, reports to the Section/Division Head;  
In response to requests from the Director-General (DG) and/or the Head of Construction Department (CST), or proactively, informs the DG/ CST Head of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.

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Drafts/produces technical documents that are reviewed and approved successfully;  
 Contributes efficiently to technical meetings then drafts and issues accurate meeting records within the defined deadlines;  
 Successfully completes Building Services installation and commissioning activities in respect with safety and quality control requirements ;  
 Timely and accurately reports on the status of the installation, testing and commissioning;  
 Ensures the efficient execution of actions related to construction within the defined cost, scope and schedule;  
 Effectively manages the interfaces between stakeholders.

<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Nuclear, Mechanical engineering or other
<b>Level of experience</b>	At least 5 years
<b>Technical experience/knowledge</b>	At least 5 years' experience in mechanical engineering design, and Heating, Ventilation and Air Conditioning within international nuclear or other relevant industrial environment; Project Management experience is desirable; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains;
<b>Specific skills</b>	Computer Aided Design MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>General skills</b>	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; Drive results: Ability to persist in the face of challenges to meet deadlines with high standards; Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals; Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
<b>Others</b>	Knowledge of MS Office standard (Word, Excel, PowerPoint, Outlook) is required; Knowledge Computational Fluid Dynamics (CFD) software is considered as an advantage; Knowledge of 2D-3D CAD software is considered as an advantage.
<b>Languages</b>	English (Fluent)

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