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## JOB DETAIL

Ref. IO2060 - 12/11/2018

### Fire Protection Engineer CST-166

<b>Main job</b>	Mechanics
<b>Department</b>	CST / Construction Department
<b>Division</b>	CST / Tokamak Complex Section/Division
<b>Job Family</b>	Engineer - 1
<b>Application Deadline (MM/DD/YYYY)</b>	01/23/2019
<b>Grade</b>	P2
<b>Direct employment</b>	Not required
<b>Purpose</b>	<p>To play a key role within the Tokamak Complex Section/Division (TCS), 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.</p> <p>To supervise the preparation, update and management of the construction input data all along the installation works, and result of completed installation outputs for all systems. To perform the operator supervision and surveillance role during the mechanical, piping, fire protection and fire detection installation, testing and commissioning within the defined scope and schedule.</p>
<b>Main duties / Responsibilities</b>	<p>Assists the Tokamak Complex Deputy in the coordination of the activities for the defined scope and schedule; Participates in the evaluation and reviews the engineering design, qualification, testing and commissioning of both components and plant systems in particular for the Fire Extinguishing and Detection systems; Acts as the technical interface between the Construction Management Agent (CMA) and various ITER Organization departments; Defines the installation and commissioning plan and reviews process of all installation procedures, inspection and test plans as issued by the contractor related to fire protection activities; Reviews the installation schedule and the associated sequence of works provided by the contractor in agreement with IO's requirement as set up 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; Collaborates with the fire protection system Responsible Officer (RO) and Safety Department in implementing the fire protection requirements related to safety protection important components and for investment protection components; Implements the surveillance and/or technical control of the Protection Important Activities as well as their propagation to the chain of the Contractors; 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; 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;</p>
<b>Measures of effectiveness</b>	<p>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;</p> <p>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.</p> <p>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</p>

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deadlines;  
 Successfully completes Fire Protection and Detection systems 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;  
 Effectively manages the interfaces between stakeholders.

<b>Level of study</b>	At least Master's Degree or equivalent
<b>Diploma</b>	Mechanical/Civil engineering or Fire Protection
<b>Level of experience</b>	At least 5 years
<b>Technical experience/knowledge</b>	At least 5 years' experience in fire extinguishing and fire detection systems within international nuclear or other relevant industrial environment; Experience in mechanical engineering design; Knowledge of nuclear safety and regulatory requirements; Knowledge of both international and French fire protection regulation, codes & standards; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains; Project Management experience is desirable.
<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 understand problems accurately before moving to proposals/solutions; Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
<b>Others</b>	Practical knowledge of fire modelling software, such as CDI, Sylvia or other is considered an advantage; Excellent knowledge of the Microsoft Office package; Knowledge of 2D-3D CAD software is considered as an advantage.
<b>Languages</b>	English (Fluent)

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