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JOB DETAIL

Ref. IO1738 - 7/11/2016

Calculation Support Safety Analyst - SD-010

Main job	Nuclear Safety
Department	SD/ Safety Department
Division	SD / Environmental Protection & Nuclear Safety Division
Section	SD / EPNS / Safety Analysis & Assessment Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	08/21/2016
Grade	P3
Direct employment	Required
Purpose	-To perform specific safety analyses with regards to the compliance of the design, construction and operation with the safety case. -To verify the compliance of the design with the safety case and for assessing changes in relation with safety. -To prepare documentation in support to design, construction or operation changes. -To validate and ensure the propagation of the input data used in the safety case and those used in design changes -To ensure interfaces with the ITER technical responsible officers and domestic agencies.
Main duties / Responsibilities	-Support the Environmental protection and Nuclear Safety Division Head and the Safety Analysis & Assessment Section Leader for specific safety analyses with regards to the compliance of the design with the safety case; -Develop the documentation related to propagation of the defined requirements for all protection important systems and components within the project; -Develop the documentation related to the control and the propagation of the input data, i.e. those needed to establish the safety case, those used in the calculations associated with routine situations as well as with postulated incident and accident scenarios, in particular those associated to thermohydraulic / fire / explosion calculations; -Supports the Safety Analysis and Assessment Section Leader and the Division Head in matters related to thermohydraulic / fire / explosion calculations; -Takes editorial responsibility for relevant sections of documentation prepared for submission to the French nuclear safety authorities as part of the ITER licensing process; -Prepares technical responses to the demands of the nuclear safety authorities during the examination of the ITER safety files, both written documents and by presentations and discussions with the authorities and their technical advisors; -Shows strong commitment to the ITER safety approach and enforces it through individual behavior within the Organization; -Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan & upon management request; -Maintains a strong commitment to the implementation and perpetuation of the ITER values and ethics. -Reports to the Safety Analysis and Assessment Section Leader; -Interfaces with all other ITER departments, and with contractors and teams in the Domestic Agencies who are supporting safety analysis work;
Measures of effectiveness	-In response to requests from the Director-General and/or Safety Department (SD) Head, or proactively, informs the DG/ SD 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. -Successfully builds-up and executes all functions as described above;

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-Effectively performs the calculations related to the incident and accident analysis activities;
-Contributes to the acceptance of the ITER safety case by the French Nuclear Safety Authorities.

Project construction phase

Level of study	At least Master's Degree or equivalent
Diploma	nuclear engineering field or other discipline
Level of experience	At least 8 years
Technical experience/knowledge	<p>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</p> <p>-At least 8 years' experience in the writing of safety case, safety reports or general safety rules for complex nuclear facilities submitted to a nuclear safety regulator, and in the definition, and the implementation of the propagation of defined requirements for complex nuclear facilities;</p> <p>-Practice in thermohydraulic, fire or explosion calculations in support of safety analyses, is an advantage;</p> <p>-Knowledge of ITER design and configuration, of fusion technology, and experience in analyzing fusion systems;</p> <p>-Familiarity with the principles of nuclear safety, understanding of their application to ITER and familiarity with the regulatory approach in France.</p>
People management experience	1 to 2 years
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	<p>-The ability to read documents in French and to answer in French to the regulator would be an advantage.</p> <p>-Ability to make clear summary and synthesis of documents and to write reports.</p>
Others	-Competent in running large computer simulations of complex systems, as well as good office computing skills.
Languages	English (Fluent)

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