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JOB DETAIL

Ref. IO1707 - 5/20/2016

Safety Control Systems Integration Eng. SCSN-001

Main job	Control system
Department	SCOD / Science & Operations Department
Division	SCOD / Control System Division
Section	SCOD / CSD / Plant Control & Instrumentation Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	06/19/2016
Grade	P3
Direct employment	Required
Purpose	<p>-To work with the Central Safety System Responsible Officer and contribute to all activities linked to the design of the Safety Control System, to the licensing of this system and to the procurement, installation, integration and commissioning.</p> <p>-Together with the Responsible Officer, to ensure that the Safety Control System meets the project requirements and is delivered on time.</p> <p>-To be responsible for the integration of the Plant Safety Systems for Nuclear in the Central Safety system for Nuclear.</p> <p>Back-ground information: The Safety Control System for Nuclear (SCS-N), provided by the Control System Division (CSD), ensures the protection of people and environment against radiological risks by performing nuclear safety instrumentation and control (I&C). The SCS-N is composed of the Central Safety System for Nuclear (CSS-N) and ~66 Plant Safety Systems for Nuclear (PSS-N).</p> <p>The SCS-N is subject to licensing by the safety French authority (ASN) and shall comply with the international nuclear standards (IEC61513 and associated standards).</p> <p>- Contributes to the development of the nuclear safety I&C control system according to the relevant nuclear standard;</p> <p>- Develops the detailed specifications and designs of sub-systems composing the nuclear Safety Control Systems;</p>
Main duties / Responsibilities	<p>-Assesses the development of categories A, B and C nuclear safety I&C functions;</p> <p>-Defines the integration plans for the Safety Control Systems, and assures that all SCS-N sub-systems are correctly integrated as per requirement of nuclear safety I&C standards;</p> <p>-Contributes actively to the functional qualification of the SCS-N hardwired and computerized I&C functions;</p> <p>-Participates to the factory acceptance tests, site acceptance tests and commissioning tests of the Safety Control Systems;</p> <p>-Contributes to the standalone and integrated commissioning phases for the safety systems;</p> <p>-Participates actively in the preparation of the Safety Control Systems design reviews ;</p> <p>-Contributes to the management and technical follow-up of the contract related to nuclear safety I&C;</p> <p>-Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>-May be requested to be part of any of the project team and perform other duties upon management request;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to the Plant Control and Instrumentation Section Leader;</p> <p>-Provides the clear interfaces for the integration of the plant safety system into central safety system</p> <p>-Interacts frequently with other members of the Control System Division as well as with plant system responsible</p>

My space

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My job alert

	officers within ITER Organization as well as in the Domestic Agencies; -In response to requests from the Director-General and/or Director of Science and Operations, or proactively, informs the DG/ Director of Science and Operations 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.
Measures of effectiveness	-Establishes the integration plans and work flows for the integration of the safety control systems; -Supports the plant safety I&C system specifications required for the project; -Develops the interfaces of components within the Safety Control Systems and with sensors/actuators delivered by the different plant safety systems; -Prepares effectively the validation, installation and commissioning of the Safety Control Systems; -Keeps the documentation up-to-date; -Successfully establishes communication with Plant Systems.
Project Construction Phase	
Level of study	Master or equivalent degree
Diploma	Engineering/Safety Engineering field or other
Level of experience	At least 8 years
Technical experience/knowledge	-At least 8 years of experience in engineering of safety I&C systems, -Good experience in design of large scale heterogeneous safety I&C systems, -Relevant experience in integration of I&C safety systems in large facilities, -Expertise in international safety I&C standards: IEC 61508, IEC 61513 and related standards for nuclear safety I&C systems, -Practical experience in conducting acceptance and commissioning tests of safety I&C systems; -Experience in Siemens safety PLC and/or in HIMA Planar 4 platforms/architectures is considered as an advantage.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit Ability to communicate effectively
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Excellent computer and IT skills are mandatory.
Languages	English (Fluent)

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