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JOB DETAIL

Ref. IO1725 - 6/24/2016

Integrated Cooling Water System Engineer - CIO-061

Main job	Hydraulics
Department	CIO/ Central Integration Office
Division	CIO / Design Integration Division
Section	CIO / DIN / System Integration Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	07/24/2016
Grade	P3
Direct employment	Not required
Purpose	<p>-To oversee the functional integration of whole Integrated Cooling Water System, including the Cooling Water System interfacing systems as clients,</p> <p>-To implement the whole Systems Engineering processes, including the project requirements technical management, the design development, the verification and the validation (including design, installation and commissioning phases) of the integrated system;</p> <p>-To prepare and perform the functional test and the integrated commissioning of the Cooling Water System with clients;</p> <p>-To assume any other duties related to functional analyses, simulation studies and integration of Integrated Cooling Water System in the ITER Plant.</p> <p>-To coordinate work performed by other system engineers involved in the field of water cooling system.</p> <p>-Is responsible for the implementation of the Systems Engineering processes, including functional analysis, safety and technical requirements flow-down, design control for the transverse functions, for the Integrated Cooling Water System;</p> <p>-Is responsible to guarantee the correct and shared update of the functional interfaces for the whole Integrated Cooling Water System;</p> <p>-Is responsible for the integration of the Integrated Cooling Water System in the ITER Plant, taking into account the environmental constraints</p> <p>-Is responsible for the implementation of the project requirements in the baseline of the Integrated Cooling Water Systems;</p>
Main duties / Responsibilities	<p>-Is responsible for guaranteeing the functional integration of the design deliverables of the Integrated Cooling Water System, e.g. Process Flow Diagrams and Piping and Instrumentation Diagrams, through the whole lifecycle of the integrated system and with respect to the defined ITER nuclear safety regulations;</p> <p>-Is responsible for the development and the implementation of the verification and validation plan for the Integrated Cooling Systems;</p> <p>-Is responsible for the development of the organization of the turnover to machine Operation Team through functional test and commissioning plan of the Integrated Cooling Water System in cooperation with Science and Operation Department and Safety Department;</p> <p>-Is responsible for the coordination of the Document Production Plan for the functional integration of the Integrated Cooling Water System as Nuclear Safety classified system;</p> <p>-Collaborates with the systems Responsible Officers in implementing the functional integration of the Integrated Cooling Water Systems;</p> <p>-Participates to the systems integration review meetings in order to verify the implementation of the requirements and advises on corrective actions, when necessary;</p> <p>-Participates in the preparation of the nuclear commissioning phase prior to Tritium operation phase</p> <p>-Performs other duties in support of the project schedule as described in the Detailed Work Schedule or Strategic Management Plan;</p>

My space

 See jobs

My job alert

	<div>-May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</div> <div>-Reports to the System Integration Section Leader; -Interface closely with the Safety Department, Plant Engineering Department and other ITER Departments and Project Teams; -Interacts with the technical responsible officers for the systems within IO and Domestic Agencies;</div> <div>-In response to requests from the Director-General and/or Central Integration Office (CIO) Head, or proactively, informs the DG/CIO 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.</div> <div>-Maintains the functional integration of the Integrated Cooling Water System; -Ensures the proper implementation of the project requirements; -Implements the engineering processes for the Integrated Cooling Water System; -Proposes an effective design solution in case of need of design modification or enhancement.</div> <div>Project Construction &amp; Operation Phase SAP Id: 50002977</div>
Level of study	Master or equivalent degree
Diploma	Nuclear or Mechanical Engineering or equivalent
Level of experience	At least 8 years
Technical experience/knowledge	<div>-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.</div> <div>-At least 8 years of experience in the System Engineering of complex Nuclear projects; -Large Experience in the Cooling Water Engineering of complex systems and projects; -Knowledge of both international and French nuclear regulation, codes &amp; standards; -Knowledge of nuclear safety and regulatory requirements; -Experience in design, procurement, construction and commissioning; -Good Project Management experience is required.</div>
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)
General skills	<div>-Excellent capability to interact with experts from different disciplines; -Organizational skills and autonomy for his/her of responsibility; -Ability to work effectively in a multi-cultural environment; -Ability to work in a team and to promote team work; -Flexible and proactive approach oriented on problem solving</div>
Others	<div>-Excellent knowledge of the Microsoft Office package; -Knowledge of computational software for simulation studies.</div>
Languages	English (Fluent)