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JOB DETAIL

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Ref. IO1429 - 10/2/2014 **Tritium Confinement System Engineer PSE-143** Main job Chemical engineering Department DIP/Department for ITER Project Division PSE/Fuel Cycle Engineering Division Section PSE/ FCED/ Tritium Plant Section Job Family Engineer - 2 Application Deadline 10/29/2014 Grade P3 Direct employment Not required Purpose To integrate elements of the tritium confinement and detritiation systems for the ITER Tokamak Complex and Hot Cell facilities over their life cycle. To ensure proper design, manufacturing, testing, installation and commissioning activities of confinement system components and systems through systems engineering processes. To manage interfaces so that the integrated network functions as an efficient and effective system. Background information: Tritium confinement and detritiation consists of an extensive network extending to each tritium operation. Tritium leaks from primary confinement (e.g. pipes and components) are handled by secondary systems including confinement barriers and detritiation systems. Elements of this network include the Second Barrier (for example glove boxes), and the Glove Box Detritiation System. These elements are distributed throughout multiple buildings among many and varied plant systems.

Responsible to progress the Second Barrier, Glove Box Detritiation System and related system designs, meeting safety requirements in a practical, optimized, costeffective and timely manner;

Main duties / Responsibilities

Responsible for communicating to all ITER systems requiring Second Barrier and Glove Box Detritiation System, the design standards and requirements of these elements Responsible for establishing and maintaining requirements and interfaces between systems; Responsible for Functional Analysis of Second Barrier and Glove Box Detritiation System; Responsible for preparing, maintaining & communicating design documents; Follows up design, manufacturing, testing, installation & commissioning activities of confinement system components and systems, including those performed by the Domestic Agencies (DAs) & their contractors; Ensures the implementation of Quality Assurance procedures for design, manufacturing, testing & . commissioning; Ensures Quality Control implementation during the whole process of the supply completion, from the design up to the commissioning moving through procurement & fabrication / assembly; Updates when required the confinement systems project schedule; Provides support for licensing activities & in Fuel Cycle hazard analysis; Performs other duties in support of the project schedule

as described in the Detailed Work Schedule & the Strategic Management Plan;

Performs other duties linked to the above purpose upon

Reports to the Tritlum Plant Section Leader: Manages Second Barrier & Glove Box Detritiation System interfaces together with responsible officers for interfacing systems & contributes to overall Fuel Cycle interface management: In response to requests from the Director-General (DG) and/or Director of Plant System Engineering (PSE) Directorate, or proactively, informs the DG/Director of any important & urgent issues that cannot be handled by the concerned line management & may jeopardize the achievement of the Project's objectives.Measures of effectivenessClarity and thoroughness of documents; Quality and timeliness of work products; Ability to find practical, cost-effective, manageable and efficient solutions to issues; Quality of communication with personnel associated with interfacing systems and management: Ability to work effectively in teams and contribute to the overall success of the Fuel Cycle design/build project; Performing work safely and with regard for safety in designs.Project Construction Phase ID SAP: 50001091Nuclear or Chemical Eng. or other discipline At least 8 years' experience in nuclear industry or relevant nuclear projects; Experience in system comprising high integrity pipes and commissioning: Experience in Sequery with trillum handling equipment and practices is advantageous; Demonstrated ability to work effectively in a multi-oultural environment Ability to work effectively in a multi-oultural environment <br< th=""><th></th><th>management request, as necessary; Maintains a strong commitment to the implementation & perpetuation of the ITER Safety Program, values & ethics.</th></br<>		management request, as necessary; Maintains a strong commitment to the implementation & perpetuation of the ITER Safety Program, values & ethics.
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For more information about ITER, visit our web site : <u>http://www.iter.org</u>