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JOB DETAIL

Ref. IO1967 - 4/9/2018

Radiological Confinement Engineer - PED-151

Main job	Chemical engineering
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Tritium Plant Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	05/20/2018
Grade	P3
Direct employment	Not required
Purpose	To perform and/or oversee design, manufacturing, testing, installation and commissioning activities of tritium confinement components and systems. To assure tritium confinement implementing solutions integrating special tools as gloveboxes comprehensive of confinement structures, monitors, atmosphere purging and control systems. To perform design of systems capable to support operations and maintenance, and to perform effective control of radiological and combustible gas hazards.
Main duties / Responsibilities	<ul style="list-style-type: none">-Responsible to progress tritium confinement and related system designs in a timely manner;-Establishes and maintains requirements and interfaces between systems;-Prepares, maintains and communicates design documents;-Follows up and reviews design, manufacturing, testing, installation and commissioning activities of confinement system components and systems, including those performed by contractors;-Ensures the work is performed according to quality assurance procedures;-Ensures quality control is performed effectively for equipment supply and installation;;-May be requested to be part of any of project/construction teams and to perform other duties in support of the project schedule;-May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	<ul style="list-style-type: none">-Reports to the Tritium Plant Section Leader;-In response to requests from the Director-General and/or PED Head, or proactively, informs the DG/PED 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. <ul style="list-style-type: none">-Clarity 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
Level of study	Master or equivalent degree
Diploma	Nuclear or, Chemical Engineering
Level of experience	At least 8 years
Technical experience/knowledge	<ul style="list-style-type: none">-Good understanding of gas confinement technologies, hazardous and radioactive material handling;-Knowledge and practical experience in confinement technologies;-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.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	Ansys Computer Aided Design
General skills	

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- At least 8 years' experience relevant to engineering design, integration and commissioning of confinement systems;
- At least 5 years' experience in nuclear industry or relevant nuclear projects;
- Hands on experience of the installation, operation and maintenance of confinement systems;
- Experience working to International Standards;
- Experience and knowledge of radiological glove box applications;
- Experience in hydrogen and or tritium processing systems is desirable;
- Experience in large design/build projects through all phases, i.e. conceptual, preliminary and final design, followed by manufacturing, installation and commissioning.

Others

- Ability to facilitate dialogue with a wide variety of contributors and stakeholders;
- Ability to adjust communication content and style to deliver messages;
- Ability to persist in the face of challenges to meet deadlines with high standards;
- Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.

-Fluent in English (written and spoken); it is appreciated also knowledge of French Language for frequent interaction with French Safety Authority.

-Good knowledge of CAD software (e.g. AVEVA);
-Analysis software, e.g. ANSYS Workbench, FEMAP, etc would be advantageous.

Languages English (Fluent)

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