



the way to new energy

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JOB DETAIL

Ref. IO1786 - 11/16/2016

Standard Component Engineer - PED-067

Main job	Composite matters
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)	12/29/2016
Grade	P3
Direct employment	Required
Purpose	-To develop, implement and maintain the a programme for selection and qualification of common components that will be used across the Tritium Plant in a rigorous and systematic manner considering functional and performance requirements, safety, risks, value engineering, interface management, and deliverable preparation. Once selected and qualified, the components will be incorporated into the final design of various Tritium Plant Subsystems to ensure consistency in operation, ease of demonstration to French authorities, optimization of maintenance and overall cost reduction of the procurement, fabrication and assembly.
Main duties / Responsibilities	-Sets up and maintains the overall programme for Tritium Plant common component qualification; -Takes part in the selection of common components required in Tritium Plant systems ensuring they meet the functional and performance requirements of systems; -Plans and manages the qualification of common components to produce the demonstration of function and performance necessary to meet project requirements; -Provides follow up of Tritium Plant common component procurements with the ITER Domestic Agencies and/or EPC contractors; -Provides input to the development and maintenance of the Tritium Engineering Handbook; -Is responsible for compiling and maintaining the common component specifications and qualification documentation and supporting documents using formal review procedures; -Ensures provisions for installation, testing, maintenance and commissioning are accommodated in the process design within agreed framework; -As much of the final design/build work will be performed by an EPC contractor, duties include procurement input, and ongoing support as a member of the Delegated Design Authority of ITER; -Performs other duties in support of the project schedule; -May be requested to be part of any of the project/construction teams and to perform other duties; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics; Special notice: May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Full training and support will be provided by the ITER Organization.
Measures of effectiveness	-Reports to the Tritium Section Leader; -Acts as an interfaces between the ITER Sections and Divisions and with Domestic Agencies; -In response to requests from the Director-General and/or Head of Plant Eng. Department(PED), or proactively, informs the DG/Head of PED Department 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. -Elaborates clear and thorough documents; -Produces quality and robust works on schedule;

My space

RSS

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My job alert

- Finds practical, cost-effective, manageable and efficient solutions to issues;
- Communicates with personnel associated with interfacing systems and management;
- Performs work safely and with regard to safety in designs.

Project Construction Phase

Level of study	Bachelor or equivalent degree
Diploma	Mechanical engineer or equivalent
Level of experience	At least 10 years
Technical experience/knowledge	<div>-Good knowledge of mechanical devices such as valves, strainers, orifice plates, other inline items, end fittings, compressors, pumps, heat exchangers, etc. including their qualification, and particularly those devices used in high leak tight, clean and small bore tubing installations;</div> <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>
Social skills	<div>Ability to work effectively in a multi-cultural environment</div> <div>Ability to work in a team and to promote team spirit</div> <div>Good negotiation skills</div>
Specific skills	<div>Computer Aided Design</div> <div>MS Office standard (Word, Excel, PowerPoint, Outlook)</div>
General skills	<div>-At least 10 years' experience relevant to mechanical/piping engineering design, integration and commissioning of complicated process plants; preferably tritium/hydrogen facilities (8 years with Master's degree);</div> <div>-At least 5 years' experience relevant to qualification of components to nuclear standards;</div> <div>-Hands on experience of the installation, operation and maintenance of mechanical devices;</div> <div>-Experience working to International Standards;</div> <div>-Experience and knowledge of radiological glove box applications;</div> <div>-Experience in hydrogen processing systems is desirable.</div>
Others	<div>-Ability to negotiate & influence</div> <div>-Ability for technical decision making</div> <div>-Ensures dissemination of information and knowledge</div>
Languages	<div>-Stress Analysis software CAESAR II would be advantageous</div> <div>English (Fluent)</div>

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