

IO1075 Power Conversion Technology Specialist CEP-072

General information

Job category	Standard
Confidential	No
Status	Confirmed
Departments	CEP/Department for Central Engineering and Plant Support
Divisions	CEP / Electrical Engineering Division
Sections	CEP / EED / Coil Power Supply and Distribution Section

Job description

Main job	Engineering - Electricity
Title of the position	Power Conversion Technology Specialist CEP-072
Type of contract	Project engineering
Grade	G4
Direct employment	Required
Supervised by:	Section Leader
Purpose	To support the Coil Power Supply & Distribution Section in the design, procurement, construction, factory tests, installation, on-site acceptance tests, commissioning and start-up of the ITER Alternating Current/Direct Current (AC/DC) coil power converters.
Main duties / Responsibilities	<p>Contributes to the monitoring of engineering analyses, design integration activities and manufacturing processes performed by contractors for the ITER AC/DC coil power converters;</p> <p>Contributes to controlling the AC/DC coil power converter interfaces, including buildings and site layout;</p> <p>Supports the activities performed by the ITER Domestic Agencies, including the design, manufacturing, testing and installation of the components delivered by them;</p> <p>Is responsible for writing and ensuring the quality of documentation for the ITER AC/DC coil power converters, including technical specifications and associated supporting documents for the procurement arrangement of the components;</p> <p>Participates in the implementation of guidelines and rules established by line management;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Successfully supports the Electrical Engineering Division's design and construction activities;</p> <p>Successfully participates in the activities related to the design, manufacturing, testing and installation of the Coil Power Supply components and sub-systems;</p> <p>Successfully contributes to controlling the interfaces with other ITER Departments/Division and the Domestic Agencies;</p> <p>Successful supports the work of the ITER Organization and Domestic Agencies;</p> <p>Successfully maintains effective communication with all parties delivering subsystems.</p>

Applicant criteria

Level of study	Bachelor or Master/Engineer Degree
Level of experience	At least 3 years
Technical experience	The ideal candidate should have at least 3-5 years' experience in design construction and testing of large AC/DC power converters comparable with those of the ITER Coil Power Supplies.
Social skills	Ability to work effectively in a multi-cultural environment , Collaborative, Positive outlook
Specific skills	Experienced in the use of software tools for the transient analysis of power converters (example: Matlab/Symulink, PSCAD, PSIM, EMTP, or equivalent;
Languages	English (Fluent)
General skills	MS Office standard applications (Word, Excel, Powerpoint, Outlook)

Origin of the job

Entity	ITER ORGANIZATION
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HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	Emilia Fullmer-Bourree
Alert recipient(s)	Emilia Fullmer-Bourree
Publication default start date	3/10/2010
Publication default end date	4/9/2010
Automatic update	No