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JOB DETAIL

Ref. IO1764 - 9/16/2016

Mechanical Engineer TED-102

Main job	Mechanics
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Section/Division
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	10/30/2016
Grade	P3
Direct employment	Not required
Purpose	-To carry out design and engineering activities for the Cryostat with an emphasis on the design and construction code compliance. -To support the design, analysis and engineering work for Torus Cryopump Housing (TCPH) and Rectangular bellows. -To prepare and monitor the procurement, the manufacturing and the installation for the systems.
Main duties / Responsibilities	-Performs design, engineering, and assembly activities for the Cryostat, especially for TCPH and bellows; -Coordinates the preparation of the design drawings and Computer Aided Design models for the Cryostat; -Issues specifications, follows up and monitor procurement, manufacturing and installation activities for the Cryostat including TCPH and bellows; -Contributes to the Design and Construction Code compliance for the Cryostat (including TCPH and bellows) (such as ASME or RCC-MR); -Manages interfaces of TCPH and bellows with the Vacuum Pumping System and Assembly/Remote Handling; -Prepares Procurement Arrangement (PA) amendments for TCPH; -Prepares technical specification of bellows; -Ensures compliance with French regulatory requirements relating to Basic Nuclear Installations and in particular the application of the ITER Quality Assurance (QA) requirements for the Cryostat; -Contributes to define the load conditions and other requirements; -Supervises preparation of the design drawings and Computer Aided Design (CAD) models for the Cryostat; -Reviews and evaluates thermal and structural analysis; -Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; -May be requested to be part of any of the project team and perform other duties upon management request; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.  -Reports to the Vessel Section/Division Head; -Interacts on a daily basis with members of the Division and ITER Tokamak Engineering Department as well as Domestic Agencies. -In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED 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.
Measures of effectiveness	-Complete requested activities for the Cryostat on time. -Create and maintain high-quality reports and documents as requested in DWS and SMP. -Ensure that CAD models/2D drawings and detailed design documents are generated as scheduled; -Establish a good collaboration attitude with all members of the Department.
	SAP Id: 50002401 Project Construction Phase

My space

 See jobs

My job alert

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical field, or a related discipline
Level of experience	At least 8 years
Technical experience/knowledge	<div>-At least Master's degree or equivalent in the mechanical field, or a related discipline.</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> <div>-8 years' experience of design and engineering in a similar position in a large multidisciplinary project;</div> <div>-Experience of Design and Construction Codes such as ASME or RCC-MR.</div> <div>-Experience in research area and/or large engineering project;</div> <div>-Co-ordination skills will the ability to set priorities and meet deadlines.</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 planning and organisational skills</div>
Specific skills	Computer Aided Design
General skills	<div>-Excellent communication skills and capability to work towards department goal with a high level of autonomy;</div> <div>-Demonstrated ability to produce high quality results;</div> <div>-Excellent organizing skills and co-ordination skills will the ability to set priorities and meet deadlines;</div> <div>-High level of reliability and dependability.</div>
Others	-Knowledge of FEM analysis
Languages	English (Fluent)

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