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JOB DETAIL

Ref. IO1727 - 6/24/2016

Superconducting Auxiliaries Engineer - TED 077

Main job	Design
Department	TED / Tokamak Engineering Department
Division	TED / Magnet Division
Section	TED / MAG / Superconductor Systems & Auxiliaries Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	07/24/2016
Grade	P2
Direct employment	Not required
Purpose	To develop magnet feeder designs, integrating feeders with the coils, monitoring the feeder design, following up the procurement and maintaining feeder technical documentation during manufacturing; preparing for the assembly phase and then participating in assembly activities.
Main duties / Responsibilities	<p>-Prepares and updates feeder design, procurement and quality control documentation (design descriptions, interface control documents, procurement and quality control documents);</p> <p>-Participates in feeder design activities (developing detailed designs, validating designs with the support of analysis experts, making and checking feeder drawings, checking interfaces between the magnets and external interfaces with cryostat and assembly);</p> <p>-Contributes to monitoring feeder procurement and assembly activities (visits to production facilities, processing of deviation requests, assessment of quality control reports in collaboration with the Central Integration Office);</p> <p>-Assists in implementation of Magnet Manufacturing Database at the feeder suppliers;</p> <p>-Contributes to the preparation of the plan and procedures for on-site assembly and testing of the magnet feeders;</p> <p>-Assist in defining and applying quality controls during manufacturing and assembly;</p> <p>-Supervises quality control activities during assembly of feeders;</p> <p>-Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>-May be requested to belong to any project team dealing with above activities and perform other duties upon management request;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to the Superconductor Systems and Auxiliaries Section Leader;</p> <p>-Acts as an interface between Magnet Division Sections, as required;</p> <p>-In response to requests from the Director-General and/or Tokamak Engineering Department 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.</p>
Measures of effectiveness	<p>-Follows up timely upload and review of engineering and manufacturing drawings in the IO drawing database;</p> <p>-Timely preparation and review of manufacturing and Quality Assurance/Quality Control documents by the DA and its suppliers;</p> <p>-Assists in timely implementation of the Magnet Manufacturing Database at the DA and its suppliers; proactively reacts in case of issues with the database during production;</p> <p>-Development of on-site acceptance tests and assembly procedures;</p>

My space

RSS

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My job alert

-Acts in a collaborative manner with all members of the Division and with other ITER Division and Departments to resolve issues pertaining to the feeder system

Project Construction Phase
ID SAP : 50000672

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering or other related discipline
Level of experience	At least 5 years
Technical experience/knowledge	<p>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for part of the required educational degree.</p> <p>-At least 5 years' experience as a technical designer or project engineer in a large multidisciplinary project or institute;</p> <p>-Experience with cryogenic engineering;</p> <p>-Experience with high voltage systems;</p> <p>-Experience with mechanical design and the preparation of engineering drawings;</p> <p>-Successful experience in writing high quality technical reports.</p>
Social skills	<p>Ability to work effectively in a multi-cultural environment</p> <p>Ability to work in a team and to promote team spirit</p> <p>Ability to communicate effectively</p>
Specific skills	<p>CATIA</p> <p>MS Office standard (Word, Excel, PowerPoint, Outlook)</p>
Others	<p>– Familiarity with Windows based office programs;</p> <p>– Familiar with CATIA and Magnet Manufacturing Database systems.</p>
Languages	English (Fluent)

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