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JOB DETAIL

Ref. IO1754 - 8/31/2016

Sector Sub-Assembly Engineer - CST-051

Main job	Construction
Department	CST / Construction Department
Division	CST / Tokamak Assembly Section/Division
Job Family	Coordinating Engineer
Application Deadline (MM/DD/YYYY)	10/16/2016
Grade	P4
Direct employment	Not required
Purpose	To be responsible for the development of module sub-assembly process including development of the schedule and cost, specification and the surveillance of the assembly. Subsequently to supervise assembly activities in-cryostat and in-vessel.
Main duties / Responsibilities	<p>-Identifies and conceptualizes the required assembly process and tooling to ensure successful installation of tokamak components;</p> <p>-Elaborates assembly procedures, schedules, resource requirements and cost estimates;</p> <p>-Ensures the development of the enabling technologies;</p> <p>-Contributes in the development of technical specifications for the engineering design of the assembly tooling;</p> <p>-Identifies and implements specific development tasks and/or feasibility studies which may be needed, including writing technical specifications, tendering and managing contracts where appropriate;</p> <p>-Evaluates the engineering works of tokamak components and systems and provides guidance on assembly aspects;</p> <p>-Monitors/controls the manufacturing, acceptance & installation of components and systems;</p> <p>-Ensures compliance with the ITER Quality Assurance (QA) program and procurement procedures;</p> <p>-May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>-Performs other duties in support of the project schedule;</p> <p>-May be requested to be part of any of the project team and perform other duties;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics;</p> <p>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.</p> <p>-Reports to the Tokamak Assembly Section/Division Leader;</p> <p>-Interfaces directly with all Departments of the ITER Organization and its partners;</p>
Measures of effectiveness	<p>-In response to requests from the Director-General and/or Construction Department Head, or proactively, informs the DG/CST 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> <p>-Elaborates, maintains and implements the Assembly Plan for the vessel and in-vessel components in respect with defined schedule and cost;</p> <p>-Generates and maintains accurate, coherent, comprehensive and understandable documentation;</p> <p>-Maintains effective communications within the ITER Organization and with partner organizations;</p> <p>-Successfully communicates with the designers of ITER machine components to formulate and validate the Assembly Plan and Procedures.</p> <p>Project Construction Phase</p>

My space

 See jobs

My job alert

Level of study	Bachelor or equivalent degree
Diploma	Mechanical Engineering or other discipline
Level of experience	At least 12 years
Technical experience/knowledge	<p>-Bachelor's Degree or equivalent in Mechanical Engineering or other relevant discipline;</p> <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 the required educational degree;</p> <p>-Extensive knowledge of QA systems and their practical application.</p> <p>-At least 12 years' extensive experience in assembly of large fusion devices or similar machines where alignment of large components to tight tolerances was required;</p> <p>-Extensive experience of engineering aspects related to design, construction & use of specific assembly tools which includes codes and standards, safety and quality, tolerance management and vacuum conditions;</p> <p>-Experience in writing contract specifications, implementing, supervising and documentation of all aspects related to assembly work;</p> <p>-A good understanding of the main requirements for assembly of a tokamak would be an advantage;</p>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	CATIA ENOVIA MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	<p>-Experience of the assembly and alignment of plasma-facing components would be an advantage;</p> <p>-Experience of working with Beryllium would be an advantage.</p> <p>-Experience in supervising and motivating technical teams;</p> <p>-5 years' Project & Contract Management experience is required.</p>
Others	<p>-Competent in the use of Microsoft Office;</p> <p>-Previous experience with the use of Catia V5 and ENOVIA management system or PDM (Product Data Management) software would be of benefit</p>
Languages	English (Fluent)