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## JOB DETAIL

Ref. IO2044 - 11/20/2018

### Magnet Assembly Field Engineer CST-103

<b>Main job</b>	Construction
<b>Department</b>	CST / Construction Department
<b>Division</b>	CST / Tokamak Assembly Division
<b>Section</b>	CST/TAD/Sector Module Assembly Section
<b>Job Family</b>	Engineer - 2
<b>Application Deadline (MM/DD/YYYY)</b>	01/01/2019
<b>Grade</b>	P3
<b>Direct employment</b>	Not required
<b>Purpose</b>	<p>To assist the Toroidal Field (TF) Group Leader with the procurement of the TF coils and structures and to lead preparation work, assembly and commissioning in the tokamak pit and/or TF coils workshop.</p> <p>Leads the on-site preparation work, assembly and commissioning supporting the TF Group Leader with the design, qualification, and manufacture, of the TF coils and structures;</p> <p>Leads the definition and management of TF coils and structure interfaces;</p>
<b>Main duties / Responsibilities</b>	<p>Monitors the schedule updates provided by the DAs, and ensures the manufacture and delivery of TF coils proceed within the defined scope and schedule;</p> <p>Coordinates analysis in support of the design changes of the TF coils and structures;</p> <p>Prepares specifications, estimates budget, manages the call for tender, and acts as Responsible Officer (RO) on service contracts related to analyses, design, development, or qualification/test of systems and components in relation to TF coils and structures in terms of preparation work, assembly and their interfaces;</p> <p>Ensures proper implementation of Quality Control (QC) standards. Guarantees that the required quality documentation for the TF coils is supplied;</p> <p>Receives, evaluates, and determines final disposition of all Non-Conformity Reports (NCR) related to the TF coils and structure under TF Group Leader's responsibility;</p> <p>Develops Tokamak Assembly Engineering work packages on the basis of systems engineering input, including surveillance of construction work execution;</p> <p>Acts as field engineer for the preparation and assembly work in TF coils workshop, assembly hall and Tokamak pit with focus on the TF coils and sector assembly;</p> <p>Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</p> <p>Communicates and Collaborate with the Quality Assurance &amp; Assessment Division and Environmental Protection &amp; Nuclear Safety Division to ensure compliance with ITER QA program and safety requirements;</p> <p>May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule as described in the Construction Detailed Work Schedule upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
<b>Measures of effectiveness</b>	<p>Under the supervision of the Group Leader, reports to Sector Module Assembly Section Leader;</p> <p>In response to requests from the Director-General and/or Construction Department (CST) Head or proactively, informs the DG/ CST Department 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>Defines and manages efficiently appropriate definition of interfaces between tools and components;</p> <p>Ensures timely resolution of NCRs;</p> <p>Ensures timely preparation of Engineering Work Packages;</p> <p>Ensures readiness for TF on-site preparatory activities;</p> <p>Ensures compliance with the ITER Quality Assurance (QA) program and safety requirements.</p>
<b>Level of study</b>	Master or equivalent degree

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<b>Diploma</b>	Mechanical Engineering or other related discipline
<b>Level of experience</b>	At least 8 years
<b>Technical experience/knowledge</b>	<p>At least 8 years' experience in the design, manufacture or assembly of large mechanical components in industrial or technical environment;</p> <p>Good experience in construction project of nuclear plant or within hazardous environment;</p> <p>Good knowledge of manufacturing processes, including experience with stainless steels;</p> <p>Good knowledge of Quality Assurance process and their practical application in a manufacturing environment;</p> <p>Experience in the winding and testing (mechanical and/or electrical) of large superconducting magnets or similar cryogenic systems would be an advantage;</p> <p>At least 3 years' experience of contract management including tendering, writing technical specifications and other technical documentation for contracts would be an advantage;</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>
<b>General skills</b>	<p>Capability to take initiative, with a proactive attitude and personal drive;</p> <p>Ability to dialogue with a wide variety of contributors and stakeholders;</p> <p>Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;</p> <p>Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</p>
<b>Others</b>	<p>Computer literate and proficient in the use of the Microsoft Office software suite;</p> <p>Working knowledge on CAD (CATIA V5) and database management software would be an advantage.</p>
<b>Languages</b>	English (Fluent)

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