



the way to new energy

china eu india japan korea russia usa

## JOB DETAIL

Ref. IO1998 - 6/20/2018

### Tokamak Assembly Field Engineer CST-096

**Main job** Mechanics

**Department** CST / Construction Department

**Division** CST / Tokamak Assembly Division

**Section** CST/TAD/Sector Module Assembly Section

**Job Family** Engineer - 2

**Application Deadline  
(MM/DD/YYYY)** 08/15/2018

**Grade** P3

**Direct employment** Not required

**Purpose** To lead the preparation for the assembly and commissioning of the Toroidal Field (TF) Coils in the tokamak pit.  
To assist magnet Responsible Officer (RO) with the design and procurement of the Toroidal Field (TF) Coils.

- Develops Tokamak Assembly Engineering work packages related to the assembly and commissioning of the TF coils, including surveillance of construction work execution;
- Acts as the Magnet Responsible Officer (RO) with the design, qualification, and manufacture, of the TF magnets through on-site assembly and commissioning, when necessary;
- Defined and manages TF coil interfaces, alerting the RO or line management when necessary;
- Contributes to the design changes and analysis of the TF winding packs and TF coil cases;
- Monitors the schedule updates provided by the Domestic Agencies (DAs), and ensures the manufacture and delivery of TF coils proceed within the defined schedule;

**Main duties / Responsibilities**

- Writes specifications, estimates budget, manages the call for tender, and acts as RO on service contracts related to analyses, design, development, or qualification/test of systems and components in relation to TF coils and their interfaces;
- Monitors TF winding pack fabrication and ensures proper implementation of Quality Control (QC) standards. Ensures that the required quality documentation for the TF coils is supplied;
- Receives, evaluates, and determines final disposition of all Non-Conformity Reports (NCR) related to the TF Coils under TRO's responsibility;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- Communicates and Collaborate with the Quality Assurance & Assessment Division and Environmental Protection & Nuclear Safety Division to ensure compliance with ITER QA program and safety requirements;
- May be required to work outside normal working hours, including nights, weekends and public holidays;
- 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;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

- Reports to Sector Module Assembly Section Leader;
- 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.

**Measures of effectiveness**

- Develops and monitors efficiently the plan ensuring a proper preparation for the assembly and commissioning of the Toroidal Field (TF) Coils;
- Ensures a proper procurement management on quality, schedule and cost for the defined scope and alerts line manager when necessary;
- Ensures appropriate definition of interfaces between tools and components and their management;
- Provides an efficient assistance for design, qualification and manufacture;
- Ensures compliance with the ITER Quality Assurance (QA) program and safety requirements.

My space



See jobs

My job alert

<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	in Mechanical Engineering
<b>Level of experience</b>	At least 8 years
<b>Technical experience/knowledge</b>	<ul style="list-style-type: none"><li>– At least 8 years’ experience in the design, manufacture or assembly of large super-conducting magnets or similar components;</li><li>– At least 3 years’ experience of contract management;</li><li>– Good knowledge of manufacturing processes, including experience with stainless steels;</li><li>– Good knowledge of QA systems and their practical application in a manufacturing environment.</li><li>– Experience of the practical application of 3D large volume metrology systems would be an advantage;</li><li>– Experience of procurement and tendering, including writing technical specifications and other technical documentation for tenders and contracts would be an advantage.</li></ul> <ul style="list-style-type: none"><li>– 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.</li></ul>
<b>Social skills</b>	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
<b>Specific skills</b>	CATIA Computer Aided Design MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>General skills</b>	<ul style="list-style-type: none"><li>– Ability to work autonomously and take initiative with a proactive attitude;</li><li>– Ability to facilitate dialogue with a wide variety of contributors and stakeholders;</li><li>– Ability to listen and adjust communication content and style to deliver messages;</li><li>– Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</li></ul>
<b>Others</b>	<ul style="list-style-type: none"><li>– Computer literate and proficient in the use of the Microsoft Office software suite;</li><li>– Working knowledge of CAD, especially CATIA V5, and database management software would be an advantage.</li></ul>
<b>Languages</b>	English (Fluent)

[Back](#)

[Apply](#)

[Send to a friend](#)

[Print offer](#)