

IO2044 Magnet Assembly Field Engineer CST-103

General information

Job category	Standard
Status	Published
Department	CST / Construction Department
Division	CST / Tokamak Assembly Division
Section	CST/TAD/Sector Module Assembly Section

Job description

Main job	Engineering - Construction
Title of the position	Magnet Assembly Field Engineer CST-103
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<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; Leads the definition and management of TF coils and structure interfaces;</p> <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; Coordinates analysis in support of the design changes of the TF coils and structures; 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; Ensures proper implementation of Quality Control (QC) standards. Guarantees 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 and structure under TF Group Leader's responsibility; Develops Tokamak Assembly Engineering work packages on the basis of systems engineering input, including surveillance of construction work execution;</p>
Main duties / Responsibilities	<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; 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.</p> <p>Under the supervision of the Group Leader, 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;</p>
Measures of effectiveness	<p>Defines and manages efficiently appropriate definition of interfaces between tools and components; Ensures timely resolution of NCRs;</p>

Ensures timely preparation of Engineering Work Packages;
Ensures readiness for TF on-site preparatory activities;
Ensures compliance with the ITER Quality Assurance (QA) program and safety requirements.

SAP Id: 50000145

Applicant criteria

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