

ITER 국제기구 공모 직위 직무기술서 (제183차)

○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	토카막 엔지니어링 (TED)	Magnet Division CS & Correction Coil Section	Magnet Technician	TED-095	G5

IO1807 Magnet Technician - TED-095

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Magnet Division
Section	TED / MAG / CS & Correction Coil Section

Job description

Main job	Engineering - Mechanics
Title of the position	Magnet Technician - TED-095
Job family	Coordinating Technician
Grade	G5
Direct employment	Not required
Purpose	<ul style="list-style-type: none">-To contribute to the follow up of the Central Solenoid (CS) coil, structures and assembly tooling procurement and assembly activities;-To qualify key processes of CS coil fabrication and on-site assembly;-To prepare / update CS coil in-factory and on-site assembly and quality control processes and documents.
Main duties / Responsibilities	<ul style="list-style-type: none">-Follows up procurement for the CS coils, structures and assembly tooling, in the technical areas of High Voltage insulation, vacuum / cryogenic technology, superconductivity;-Maintains normal operation of CS-related facilities and machinery in the MIFI workshop, and controls the inventories of equipment, tooling, parts, components, and consumables;-Assists to prepare and qualify on-site CS assembly procedures including quick prototyping of tooling as requested by engineers, manufacture of full size mockups of joints, preparation and participation in the associated qualification tests;-Drafts on-site busbar extensions and feeder assembly procedures and manufacturing / inspection plans based on the techniques, setup, and procedures used in the qualification tests;-May be required to work outside normal working hours, including nights, weekends and public holidays;-Performs other duties in support of the project schedule;-May be requested to be part of any of the project/construction teams and to perform other duties;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	<ul style="list-style-type: none">-Reports to the CSCC Section Leader;-Works closely with the Technical Responsible Officer for the CS coil systems, Structures and Assembly Tooling;-Interacts with other members of the Magnet Division and/or other Departments as required by the CS design, in particular with the integration and assembly teams;-In response to requests from the Director-General and/or Head of Tokamak Engineering Department (TED), or proactively, informs the DG/ Head of TED 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.-Timely and accurate delivery of analysis and corresponding reports;-Timely issues requested processes & procedures;-Timely updates of input documentation for analysis;-Timely contributions to interface and design review documents;-Timely contributions to quality assurance and quality control of central solenoid activities.
	Project Construction Phase

Applicant criteria

Level of study	Two years post-secondary education
Diploma	Mechanical Engineering or other related discipline
Level of experience	At least 9 years' experience
Technical experience/knowledge	<ul style="list-style-type: none"> -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. -Ability to read and interpret mechanical drawings, schematics, and manufacturers' manuals (or similar documents), and to fabricate parts or sub-assemblies from sketches or verbal instructions; -Knowledge of soldering, welding, vacuum / torch brazing, and visual inspection procedures; -Familiarity with at least two of the following areas: superconducting components, coil design and manufacture, vacuum leak testing and material properties at low temperatures.
Social skills	<ul style="list-style-type: none"> -At least 9 years' experience (or 7 with two Bachelor degree) in similar position within a multidisciplinary project or institute; -Practical experience in cryogenics and vacuum technologies; Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	<ul style="list-style-type: none"> -Experience with safe usage of electrical test equipment (Multimeters, breakdown testers and power supply units); -Experience with welding; -Experience with mechanical assembly; -Experience with dimensional measurements is considered as an advantage; -Experience with strain gauges installation and measurements; -Experience in the use of rigging equipment (e.g., cranes, fork-lifts and scissor lifts).
Languages	<ul style="list-style-type: none"> -Ability to both work in a team and coordinate a group of professionals; -Ability to communicate clearly and write technical reports and specifications in English; -Ability to work in a team and to promote team work.
Specific skills	English (Fluent)
	MS Office standard (Word, Excel, PowerPoint, Outlook)