

ITER 국제기구 공모 직위 직무기술서 (제188차)

○ 6개 직위

구분	분야	소속	직위	Job No.	등급
①	토카막 엔지니어링 (TED)	Port Plugs & Diagnostics Integration Division Common Port Plug Engineering Section	Diagnostic Responsible Officer	TED-097	P4
②		Magnet Division TF Coil Section	Structural Engineer	TED-074	P3
③		Heating & Current Drive Division Electron Cyclotron Section	Microwave Engineer	TED-087	P3
④	플랜트 엔지니어링 (PED)	Fuel Cycle Engineering Division Tritium Plant Section	Plant Engineer	PED-057	G5
⑤			Mechanical Technician	PED-082	G4
⑥	토카막 엔지니어링 (TED)	Magnet Division Superconductor Systems & Auxiliaries Section	Magnet Instrumentation Technician	TED-106	G4

IO1827 Diagnostic Responsible Officer - TED-097

General information

Job category	Standard
Status	Confirmed
Department	TED / Tokamak Engineering Department
Division	TED / Port Plugs & Diagnostics Integration Division
Section	TED / PPD / Common Port Plug Engineering Section

Job description

Main job	Engineering - Diagnostics
Title of the position	Diagnostic Responsible Officer - TED-097
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	<p>To develop and coordinate diagnostic Protection Important Component/ Safety Importance Class (PIC/SIC) components and associated designs, procurement (e.g. diagnostic windows, feedthroughs). To follow-up integration of PIC/SIC components within diagnostic ports. To provide engineering solutions that fulfils regulatory requirements.</p> <ul style="list-style-type: none">-Identifies requirements and interfaces for diagnostic PIC/SIC components with port integrators at IO and Domestic Agencies (DAs) to ensure common engineering and maintenance solutions for the integrated ports;-Develops the design of diagnostic PIC/SIC components for systems located in lower, equatorial and upper ports;-Leads the development of tools to maintain the PIC/ SIC components in a safe state;-Prepares technical specifications and documents as required in preparation for manufacturing of diagnostic PIC/SIC components and associated tooling;-Follows up the procurement of diagnostic PIC/SIC components with industry;-Leads analysis of mechanical and thermal stresses, stresses due to electro-magnetic forces, dynamic analysis, neutronics assessment for diagnostic PIC/SIC components;-Leads the development of operational and safety procedures for PIC/ SIC components;-Supports on-going diagnostic design and port integration activities and helps to integrate these designs;
Main duties / Responsibilities	<ul style="list-style-type: none">-Updates and takes through review all relevant supporting engineering documents;-Supports or leads the Design Review processes, as appropriate;-Checks and maintains relevant ITER Organization (IO) databases;-Reports variances on all technical, cost and schedule aspects immediately;-Supports effective risk identification and management;-Manages the change control process for his/her scope of work and communicates changes to the line management;-Maintains related documentation at all times on the IO Document System and ensures it is updated and in the correct formats.-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. <ul style="list-style-type: none">-Reports directly to the Common Port Plug engineering Section Leader;-Interfaces with other ITER Technical Directorates, as required; Ensures integration with other technical interfaces;-Maintains communication with other organizations within the IO collaboration and the fusion community;-In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED 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	<ul style="list-style-type: none"> -Work packages completed to agreed deadlines and costs; -Developed and approved accurate interface documentation, schematics plans and databases; -Developed and approved high quality technical documentation for procurement; -Developed and approved installation plans within the defined schedule and cost; -Successful collaboration with technical partners in Domestic Agencies and other Directorates at IO; -Efficient work at all times with other Diagnostics team members.
	Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical engineering or equivalent
Level of experience	At least 10 years <ul style="list-style-type: none"> -Master's degree or equivalent in mechanical engineering or equivalent; -PhD is considered as 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.
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 10 years' experience in mechanical engineering, incl. 2 in project engineering (or 8 years for PhD holders); -Experience in a nuclear-relevant field; -Experience in manufacturing of mechanical components; -Experience in mechanical engineering design of PIC/SIC components; -Experience in application of recognized engineering codes and standards to design and manufacturing of PIC/SIC components; -Experience with the technical follow-up of CAD activity (e.g. CAD oversight; P&I Diagrams)
Social skills	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"> -Proven project management skills, in particular planning and costing ability for mechanical systems; -Organization and design defense lead in technical design reviews; -Ability to generate specifications for procurement and manufacturing follow-up.
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"> -Proven presentation writing skills; -Track record of first author publications in English is a plus. -Familiarity with CAD tools for diagnostic components drawings;

IO1825 Structural Engineer - TED-074

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Magnet Division
Section	TED / MAG / TF Coil Section

Job description

Main job	Engineering - Mechanics
Title of the position	Structural Engineer - TED-074
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To monitor and support the design and procurement related to Magnet Supports, Pre-Compression Rings and Toroidal Field (TF) Coil Case structures and prepare the assembly of said components.</p> <p>To propose and issue procedures and tooling for mechanical aspects of the TF coil assembly and its supports.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Contributes to the monitoring of the fabrication of some TF related structures at Domestic Agency (DA) premises, maintaining the schedule and implementing the quality control programme;-Contributes to design activities and the follow up of the procurement packages related to Magnet Supports, Pre-Compression Rings and TF coils structures for the TF coil manufacturing;-Reviews thermal and structural assessment analyses, checks the accuracy of the analyses, provide structural and thermal assessment reports and implements modification if required;-Evaluates and performs the engineering calculations needed to assess deviation requests (DR) and non-conformance reports (NCR) submitted as part of the component fabrication activities;-Implements appropriate quality assurance and quality control requirements on the procurements, in collaboration with the Central Integration Office;-Participates in the monitoring of the coil case delivery to the winding companies and the insertion of the winding packs into the case;-Drafts the tolerance definitions and mitigation, and also internal magnet interfaces to the TF winding pack and external supports;-Reviews the updates of Computer Aided Design (CAD) models, in line with the suppliers' model updates, and the related manufacturing drawings;-Supports and monitors progress of the CAD team in preparing model and drawing package updates, and drives them towards design freeze as the project undertakes manufacturing and assembly phases-Contributes to the preparation of assembly procedures and tooling related to the structures, supports, Pre-Compression Rings and interface components;-Sets up mock-ups related to assembly activities and develop small scale special tooling if needed;-Makes the of risk assessment analysis and mitigation plans for procurement and assembly activities;-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. <p>-Reports to the TF Coil Section Leader;</p> <p>-Interfaces with other sections in the Magnet Division, in particular those responsible for structural performance assessment; with other departments as required by the magnet design, in particular with the CAD Office; with the DAs and their industries regarding fabrication;</p>

Measures of effectiveness	<p>-In response to requests from the Director-General (DG) and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED 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>-Completes the assigned tasks on the design or assembly of TF structures within the defined costs, schedule and risks;</p> <p>-Issues regular and accurate reports on outcomes of assigned tasks;</p> <p>-Provides qualification assembly procedures and Quality Control testing of TF structure elements during fabrication;</p> <p>-Provides review of manufacture drawings on time, reporting outcomes; keeps schedule for drawing package production</p> <p>-Proposes solutions to manage efficiently change requests impacting TF structures schedule.</p> <p>Project Construction Phase ID SAP 50000962</p>
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Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering field
Level of experience	At least 8 years
Technical experience/knowledge	<p>-Knowledge of structural analysis, material properties and failure modes;</p> <p>-Knowledge of machining and welding techniques;</p> <p>-Knowledge on tolerancing applied to large mechanical parts</p> <p>-Knowledge of large scale mechanical assembly procedures;</p> <p>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered as a part substitute for the required educational degree.</p> <p>-At least 8 years' experience in the design and fabrication of structures or large mechanical components;</p> <p>-Good Project Management experience, in particular in the areas of risk assessment and mitigation plans is a plus;</p> <p>-Familiarity with analysis procedures for structures and mechanical components in the context of magnets or cryogenic systems is a plus;</p> <p>-Familiarity with mechanical design codes and standards such as ASME or similar;</p> <p>-Experience in monitoring or supervising fabrication in industry.</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Fluent)
Specific skills	Ansys

IO1828 Microwave Engineer - TED-087

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Heating & Current Drive Division
Section	TED / HCD / Electron Cyclotron Section

Job description

Main job	Engineering - Electricity
Title of the position	Microwave Engineer - TED-087
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To be technical responsible officer (TRO) for the Electron Cyclotron (EC) ex-vessel Waveguide (EW) which forms the first confinement including HE11 waveguide, isolation valve and diamond window. Furthermore, provide mechanical engineering support to the overall Electron Cyclotron (EC) system, the launchers and transmission line. This task includes the design finalization of the EW connected to both the equatorial and upper launchers, preparation of technical specifications, system requirements, Procurement Arrangement (PA) preparation and subsequent oversight of the PA activities leading to installation and operation of the EW. The EW-Technical Responsible Officer will also be responsible for Quality Assurance (QA) support, design and Safety and manufacturing follow-up; development of installation, operation and maintenance plans.</p> <p>To define and procure the associated measurement systems to be used for the EC system installation, commissioning and calibration.</p> <p>To perform the measurements during the installation, in-situ acceptance, calibration and periodic inspection.</p> <ul style="list-style-type: none">-Performs the duties of the technical responsible officer for the Electron Cyclotron Ex-vessel Waveguide (EC-EW) procurement, which includes design finalization, Procurement Arrangement (PA) preparation, and oversight during the manufacturing, installation and commissioning phases followed by operation;-Co-ordinates the development of the final design of the EC EW in collaboration with IO-CT (ITER Central Team) and IO-F4E (European Domestic Agency);-Documents the design requirements, load specification, Safety functions, requirements propagation and verification, and Quality plans of the EW (in collaboration with the EU, JA and US DAs);-Ensures design compliance with ITER project requirements and with other ITER systems interfacing with the EW, note that the EW forms the first confinement system and bridges the transmission line to the launchers;-Monitors the final design development and prototype tests of the EW, including the diamond window, isolation valve, waveguide and prototype assemblies;-Co-ordinates the development of the draft qualification and test program of the EW in parallel with the prototype tests of the launchers and transmission line, leading to a final qualification program associated with the manufacturing, assembly, installation and commissioning of the EW;-Assists in the monitoring of Quality Programs associated with the sub-system procurements;-Provides assistance in the above activities for the overall EC system development;-Performs the associated measurements (in collaboration with the other EC TROs) of the installed EC equipment to ensure compliance for operation;-Performs calibration of the integrated system and defines the periodic inspection plans;-Maintains the requirement compliance matrix associated with the EC-EW based on the above measurements;-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
Main duties / Responsibilities	

Measures of effectiveness	<p>Program, values and ethics.</p> <p>-Reports to the Electron Cyclotron Section Leader;</p>
	<p>-Acts as an interface between the ITER Organization and the Domestic Agencies in developing/monitoring/evaluating contracts, task agreements and system development management;</p> <p>-In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED 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>-Achieves the development of the EW final design progressing toward procurement as measured by the annual work plan and project master schedule milestones;</p> <p>-Improves and updates documentation management, quality compliance, system integration associated with the EW;</p> <p>-Develops within the defined schedule the technical specifications and procedures to ensure the EW is compliant with IO requirements and Safety regulations;</p> <p>-Prepares the test program and test equipment requirements documents within the defined cost and schedule;</p> <p>Project Construction Phase</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Electrical eng, microwave or other relevant
Level of experience	At least 8 years
Technical experience/knowledge	<p>-Further education and/or training in metrology, and systems engineering is 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>
	<p>-At least 8 years' experience in performing low and high power measurements of microwave systems;</p> <p>-At least 3 years' experience in operation of high power microwave equipment for fusion applications (or equivalent);</p> <p>-Experience in requirement propagation and generating test programs is an advantage;</p> <p>-Experience in performing high (above 200kW) and low power microwave measurements in the frequency range of 60 to 200GHz;</p> <p>-Experience in operation of high power microwave equipment for fusion applications or equivalent;</p> <p>-Experience in installation and operation of an EC system on magnetic confinement device is an advantage;</p>
	<p>Social skills Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p>
General skills	<p>-Experience in metrology measurements is an advantage;</p> <p>-Experience with system engineering and engineering standards (for example: ISO 15288, ISO 1101, ISO 2768, EN 10028, EN 13445, RCC-MR, ASME BPVC), regulation compliances (such as European Directives) and quality management (for example: ISO 9000s, IAEA GS-R-3, ASME NQA-1) is an advantage;</p> <p>-Proficient at writing technical reports and design guidelines.</p>
Languages	English (Fluent)
Specific skills	Ansys, CATIA, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>-Experience using analytical programming required,</p> <p>-Experience using CATIA and/or ANSYS is an advantage.</p>

IO1820 Plant Engineer - PED-057

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Tritium Plant Section

Job description

Main job	Engineering - Mechanics
Title of the position	Plant Engineer - PED-057
Job family	Coordinating Technician
Grade	G5
Direct employment	Required
Purpose	<p>To develop the design of the Fuel Cycle piping, component and plant systems design and integration and support its procurement and construction.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Co-ordinates and produces schematic drawings, PFDs, P&IDS, 3D layout, BoMs and descriptive technical documentation for Fuel Cycle systems design and interfaces;-Defines systems support structures and reviews load calculations and undertakes stress analysis;-Develops mechanical guidelines and processes to support standardization and integration of best practices in the design of systems.-Designs distributed Detritiation System piping networks, including integration with Tokamak Complex and Hot Cell facility buildings and interfaces;-Supervises and follows up mechanical design activities assigned to Designers-Supports management of material procurement, construction, installation and testing of Detritiation System pipe work within the joint IO/JA-DA Atmosphere Detritiation System Project;-Assists in integration and system interfaces functional analysis activities for the Tritium Plant and other related systems (e.g. Radiological and Environmental Monitoring, Vacuum Pumping Systems and Test Blanket Module);-Reviews the design of glovebox layout, space utilization studies, assembly and installation studies, building and glove box penetrations and associated design;-Provides technical support in the preparation of technical specifications for external contracts;-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	<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. Training and support will be provided by the ITER Organization.</p> <ul style="list-style-type: none">-Reports to the Tritium Section Leader;-Acts as an interface between the ITER Sections and Divisions and with Domestic Agencies;-In response to requests from the Director-General and/or Head of Plant Engineering Department (PED), or proactively, informs the DG/Head of PED Department 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. <ul style="list-style-type: none">- Co-ordinates work and works collaboratively to achieve on time delivery at the quality required- Anticipates future needs and pre-emptively takes action to achieve goals;- Finds practical, cost-effective, manageable and efficient solutions to issues;- Communicates efficiently with personnel associated with interfacing systems and management;- Performs work safely and with regard for safety in designs.

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Mechanical Engineering Design
Level of experience	At least 7 years
Technical experience/knowledge	<ul style="list-style-type: none"> -Knowledge of plant design and construction in mechanical and piping fields; -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.
	<ul style="list-style-type: none"> -At least 7 years' experience relevant to mechanical piping and plant design, integration and construction of complex gas/liquid handling facilities; -Experience in large design/build projects through all phases, i.e. conceptual, preliminary and final design, followed by manufacturing, installation and commissioning.
Social skills	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"> -Technical communication; -Ability to provide line management with technical & verbal reports; -Pro-active attitude in addressing issues;
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"> -Stress Analysis software CAESAR II would be advantageous. -Excellent CAD capability (2d and 3d), in particular AVEVA /PDMS and CATIA;

IO1821 Mechanical Technician - PED-082

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Tritium Plant Section

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Technician - PED-082
Job family	Technician - 3
Grade	G4
Direct employment	Required
Purpose	To prepare and contribute to the Fuel Cycle piping and plant systems design, integration, procurement and construction.
Main duties / Responsibilities	<ul style="list-style-type: none">-Prepares schematic drawings, PFDs, P&IDS, 3D layout, BoMs and descriptive technical documentation for Fuel Cycle systems design and interfaces;-Designs system support structures and reviews load calculations and stress reports;-Designs distributed Detritiation System piping networks, including integration with Tokamak Complex and Hot Cell facility buildings and interfaces;-Supports management of material procurement, construction, installation and testing of Detritiation System pipe work within the joint IO/JA-DA Atmosphere Detritiation System Project;-Assists in integration and system interfaces functional analysis activities for the Tritium Plant and other related systems (e.g. Radiological and Environmental Monitoring, Vacuum Pumping Systems and Test Blanket Module);-Contributes to building and glove box layout, space utilization studies, assembly and installation studies, building and glove box penetrations and associated design;-Provides technical support in the preparation of technical specifications for external contracts;-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 Tritium Plant Section Leader;-Acts as an interface between the ITER Sections and Divisions and with Domestic Agencies;-In response to requests from the Director-General and/or Head of Plant Engineering Department (PED), or proactively, informs the DG/Head of PED Department 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.-Elaborates clear and thorough documents;-Produces quality and timeless works;-Finds practical, cost-effective, manageable and efficient solutions to issues;-Communicates with personnel associated with interfacing systems and management;-Performs work safely and with regard for safety in designs.
	Project Construction Phase

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Mechanical engineering design
Level of experience	At least 5 years

Technical experience/knowledge		<ul style="list-style-type: none"> -Knowledge of plant design and construction in mechanical and piping fields; -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.
		<ul style="list-style-type: none"> -At least 5 years' experience relevant to mechanical piping and plant design, integration and construction of complex gas/liquid handling facilities; -Experience in large design/build projects through all phases, i.e. conceptual, preliminary and final design, followed by manufacturing, installation and commissioning.
	Social skills	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"> -Technical communication; -Ability to provide line management with technical & verbal reports; -Pro-active attitude in addressing issues; -Ability to communicate and negotiate within a team environment.
	Languages	English (Fluent)
	Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
	Others	<ul style="list-style-type: none"> -Excellent CAD capability (2d and 3d) , in particular AVEVA products as well as CATIA tool; -Stress Analysis software CAESAR II would be advantageous.

IO1829 Magnet Instrumentation Technician - TED-106

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Magnet Division
Section	TED / MAG / Superconductor Systems & Auxiliaries Section

Job description

Main job	Engineering - Electricity
Title of the position	Magnet Instrumentation Technician - TED-106
Job family	Technician - 3
Grade	G4
Direct employment	Not required
Purpose	<p>To contribute to the instrumentation installation, test and commissioning for the ITER Organization (IO) coils and auxiliary systems.</p> <p>To support the integration of the instrumentation into the coils and feeders.</p> <p>To contribute to definition of instrumentation assembly and commissioning procedures.</p> <p>To monitor the instrumentation assembly and the coil commissioning activities.</p> <ul style="list-style-type: none">-Contributes to the definition of the instrumentation system installation and test procedures;-Contribute to the instrumentation measurement chain qualification;-Monitors quality control tests on the instrumentation at manufacture and at installation in compliance with the Central Integration Office guidance;-Supports the instrumentation specialized activities;-Follows up and reviews the definition of the Magnet instrumentation cable lists and cabling drawings;-Contributes to the specifications, manufacture follow up and acceptance tests of the Magnet control cubicles;-Contributes to the Quench Detection System qualification;-Contributes to the integration of the instrumentation measurement chains for low and high voltage signals to the Magnet control system;-Contributes to the definition of the instrumentation interfaces to CODAC, Central Interlock and Safety Systems;
Main duties / Responsibilities	<ul style="list-style-type: none">-Assists in providing the control logic to allow the control software to be developed;-Contributes to the Magnet system commissioning and future operation;-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. <p>-Under the supervision of the Magnet instrumentation Responsible Officer, reports to Superconductor Systems & Auxiliaries Section Leader;</p> <p>-Acts as an interface between other Departments as required by the magnet design, in particular with the Electrical Engineering Division and the Control System Division;</p> <p>-Acts as an interface between the construction teams and the Magnet Division for instrumentation scope;</p> <p>-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.</p> <p>-Contributes efficiently to the qualification of the instrumentation solutions and the installation procedures within the defined schedule;</p>

Measures of effectiveness	<ul style="list-style-type: none"> -Contributes efficiently to the instrumentation system installation and commissioning within the defined schedule; -Generates and maintains accurate, consistent, comprehensive and high quality documentation; -Contributes to the life-cycle of the instrumentation series procurement, installation and commissioning.
	Project Construction Phase SAP Id: 50002227

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Electrical Engineering or other related discipline
Level of experience	At least 5 years
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. -Knowledge of HV and LV measurement techniques. -Knowledge of cryogenic instrumentation;
	<ul style="list-style-type: none"> -At least 5 years' postgraduate experience in magnet instrumentation design; -QA/QC experience in similar activities ;Familiarity with Magnet and Cryogenic controls including quench detection is an advantage; -Basic Project Management experience is required.
Social skills	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"> -Ability to both work in an international team and coordinate a group of technicians; -Ability to communicate clearly and write technical reports and procedures in English;
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"> -Familiarity with CAD tools for electrical drawings; -Good command of the Microsoft Office package.