ITER 국제기구 공모 직위 직무기술서 (제231차)

○ 2개 직위

구분	분야	소속	직위	Job No.	등급
①	토카막 엔지니어링 (TED)	Tokamak Engineering Department Port Plugs & Diagnostics Integration Division	Diagnostics I&C Development Officer	TED-164	P3
②	중앙통합 (CIO)	Information Technology Division IT System & Operation Section	SmartPlant Solution Responsible Officer	CIO-170	P3

IO1943 Diagnostics I&C Development Officer - TED-164

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Port Plugs & Diagnostics Integration Division

Job description

Main job	Engineering - Diagnostics
Title of the position	Diagnostics I&C Development Officer - TED-164
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	To develop Instrumentation & Control (I&C) and support officers responsible for diagnostics supplied by the ITER Organization (IO) and Domestic Agencies (DAs) in all matters related to the plant I&C for these diagnostics. This covers all lifecycles from requirements capture, detailed design, manufacturing, and acceptance testing. To ensure that the quality of the plant I&C is adequate for the operation of the tokamak in collaboration with plant I&C integrators.
Main duties / Responsibilities	-Develops the I&C for the IO based Diagnostics; -Supports the I&C development in the Domestic Agencies; -Reviews Documentation provided by the DAs and provides feedback and support the designs; -Supports the commissioning preparation activities; -Supports and contributes to relevant integration activities; -Specifies and oversees the creation and updates of relevant diagrams; -Updates and takes through review all relevant supporting engineering documents; -Supports or leads the Design Review processes, as appropriate; -Prepares technical specifications in support of procurement actions; -Ensures required maturity for plant I&C design in terms of requirements, procedures, Human Machine Interface, Functions, Variables, Architecture, Signals, Cubicle Configuration and Automation; -Supports procurement activities of relevant components; -Collaborates efficiently with Constriction Organization on assembly of the systems; -Checks and maintains relevant ITER databases; -Maintains communication with other organizations within the ITER collaboration and the fusion community; -Supports assembly and construction activities to ensure a smooth implementation of the I&C; -May be required to work outside normal working hours, including nights, weekends and public holidays; -Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain; -May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
	-Reports to Port Plugs and Diagnostics Division Head; -Interacts with DAs and other IO technical and functional departments; -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.
Measures of effectiveness	-Work packages completed to agreed deadlines; -Developed and approved Design documentation, plans and databases; -Developed and approved technical documentation for procurement;

	-Developed and approved installation and commissioning plans; -Successful collaboration with technical partners in Domestic Agencies and other IO Departments/Offices; -Efficient work at all times with other Diagnostics team members. Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering or applied physics field or other
Level of experience	At least 8 years
Technical experience/knowledge	-At least 8 years' experience in the field of Diagnostic Engineering (including 2 in Project Engineering); -Operational experience in a nuclear-relevant field; -Experience with diagnostics and instrumentation of large scale facilities; -Organization and design defense lead in relevant design reviews; -Familiarity with recognized I&C design codes and standards; -Experience in writing reports and reviewing technical specifications; -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.
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	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Coding experience and I&C relevant software.

IO1944 SmartPlant Solutions Responsible Officer - CIO-170

General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office
Division	CIO / Information Technology Division
Section	CIO / IT / IT System & Operation Section

Job description

Main job	Computer Science - Software
Title of the position	SmartPlant Solutions Responsible Officer - CIO-170
Job family	Functional Officer - 2
Grade	P3
Direct employment	Not required
Purpose	To be the ITER Organization (IO) responsible for the operation, evolutions and support of the SmartPlant tools (SPF, SPO, SPC, SPMAT) in support to ITER Organization-Central Team and Domestic Agencies (DAs) stakeholders.
Main duties / Responsibilities	-Coordinates the Information Technology (IT) activities related to SmartPlant including the day-to-day platform support, the user support, the integration and the configuration & customization activities; -Manages the resolution of issues, requests, communication, and support strategy with Intergraph; -Support integration of SmartPlant with the other mainstream ITER Project systems including (ICP, SAP, PLM, etc.); -Assures that the solution remains aligned with user's functional and not-functional requirements; -Participate in the standard IT processes for project and service delivery (PRINCE 2, ITIL); -Liaises with users and provides ad-hoc documentation, guidance, and training; -Analyzes existing solutions for risk analysis, improvement opportunities and challenges; -Advises on architectural strategies, best practices, standards, and governance; -Maintains expertise and proficiency in the various application areas; -May be required to work outside ITER Organization reference 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; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. -Reports to the IT System and Operation Section Leader; -Closely collaborate with all other units and DAs; -In response to requests from the Director-General and/or Central Integration Office (CIO) Head, or proactively, informs the DG/CIO 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	-High level of satisfaction from the construction users; -Delivery of IT projects in the construction domain in scope, cost and accorded deadline; -IT systems for construction operate without service interruption; -Smooth integration of SmartPlant with all related systems. Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	computing or other relevant discipline

Level of experience	At least 8 years
Technical experience/knowledge	-Master degree or equivalent in the computing or other relevant discipline; -PRINCE2, ITIL or similar certification; -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.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	-At least 8 years' experience in IT with solid experience in implementing and coordinating complex large software systems; -At least 5 years of IT project management experience including coordination of team development ; -Extended experience with SmartPlant Foundation (SPF), SmartPlant for Owners & Operators (SPO), SmartPlant Construction (SPC) and SmartMaterials (SPMAT) operation, configuration and customization; -Solid experience in software engineering practices (e.g. configuration management, user requirements capturing, testing and validation, etc.) including agile software development methods; -Solid experience in data management and software development project management coordination; -Good knowledge of design processes, system engineering and configuration management; -Good knowledge in software architecture and data exchange; -Software development technical experience is an advantage.
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Ability to organize and monitor activities; -Good planning and organizational skills; -Ability to facilitate dialogue with a wide variety of contributors and stakeholders; -Ability to listen and adjust communication content and style to deliver messages; -Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.