

ITER 국제기구 공모 직위 직무기술서 (제184차)

○ 2개 직위

구분	분야	소속	직위	Job No.	등급
①	토카막 엔지니어링 (TED)	Heating & Current Drive Division Neutral Beam Section	Neutral Beam Section Leader	TED-003	P5
②	중앙통합 (CIO)	Central Integration Office Project Information System Section/Division	Data Management Engineer	CIO-024	P2

IO1814 Neutral Beam Section Leader - TED-003

General information

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

Job description

Main job	Engineering - Composite matters
Title of the position	Neutral Beam Section Leader - TED-003
Job family	Section Leader
Grade	P5
Direct employment	Required
Purpose	<ul style="list-style-type: none">-To lead the Neutral Beam (NB) Section and be responsible for all activities leading to the procurement of the NB heating and current drive injectors and the diagnostic NB injector;-To ensure that Research & Development (R&D) necessary for the successful realization of the ITER NB injection system is carried out;-To manage the Neutral Beam Test Facility (NBTF) design, manufacture and testing with the Das, which ensures that the NBTF allows comprehensive risk mitigation to the ITER NB systems.-To coordinate the planning, schedule and technical control, and direct and design the R&D activities for the ITER NB system;-To prepare ITER task agreements, interface documentation and procurement arrangement documentation.
Main duties / Responsibilities	<ul style="list-style-type: none">-Supervises and directs the NB's activities, managing the contracts and resources allocated to the Section;-Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;-Ensures the successful realization of the NBTF and NB system;-Gains and sustains a thorough knowledge of the ITER NB system, all associated technology and interfaces;-Promotes the implementation of the NB system and associated technologies in ITER;-Promotes the development and upgrade of the NB systems;-Maintains the interfaces with the NB systems;-Coordinates the R&D, in particular the NBTF activities carried out for the ITER NB systems both in the ITER Organization (IO), in Padua and in the Domestic Agencies (DAs);-Keeps abreast of worldwide developments in NB injection relevant technology;-Disperses the relevant information through publications and conference presentations;-Supports the execution of the Strategic Management Plan and the Detailed Work Schedules defined by the Organization; executes and delivers work consistent with the budget of the Section and contributes to the staffing of the Section;-Assures that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;-Maximizes human capital and people's commitment to achieving the IO goals;-Provides leadership in safety;-Builds and maintains relationship with internal and external stakeholders;-May be requested to be part of any of the project/construction team and to perform other duties upon management request;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <ul style="list-style-type: none">-Reports to Heating & Current Drive Division Head,-Acts as an interface between the Section and the ITER Line Management;-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

Measures of effectiveness	the Project's objectives.
	<ul style="list-style-type: none"> -Ensures the NB systems design and implementation progresses at a satisfactory rate to meet the project requirements; -Ensures the R&D or design work is carried out by the scientist or others under his supervision; -Completes ITER tasks and contracts on time; -Builds team spirit in the NB section and maintains good relations with the interfacing systems; -Ensures good communication and collaboration with the procuring DAs; -Ensures that the NB system meets the safety, quality and project requirements.
Project Construction Phase	

Applicant criteria

	Level of study	Master or higher degree
	Diploma	Physics or Engineering or a related discipline
	Level of experience	At least 10 years
	Technical experience/knowledge	<ul style="list-style-type: none"> -At least 10 years' experience of project management with high power NB systems; -Experience in designing and operating high power neutral beam systems; -Extensive experience in advising NB experts, preferably in an international environment.
		<ul style="list-style-type: none"> -A PhD would be considered an advantage; -Knowledge of NB injector physics and engineering; -Knowledge of negative ion beam production.
		<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.
	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	<ul style="list-style-type: none"> -At least 5 years' experience in supervising a team would be an advantage; -Ability to provide effective leadership; -Ability to motivate and develop the team members' skills and experience; -Demonstrated capability to lead a multi-disciplinary team and to interact with experts in different scientific disciplines. -Ability to negotiate with influence and convince internal and external stakeholders.
		<ul style="list-style-type: none"> -Good working knowledge of word processing and spreadsheet software; -Skills consistent with managing a complex development project.

IO1813 Data Management Engineer - CIO-024

General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office
Division	CIO / Project Information System Section/Division

Job description

Main job	Computer Science - Database management
Title of the position	Data Management Engineer - CIO-024
Job family	Functional Officer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To coordinate projects and support the tools in the Information Technology (IT) engineering, manufacturing and construction area. This includes specifically Enovia/Catia, PDMS, Product Lifecycle Management (PLM), Manufacturing, and SmartPlant Solutions</p>
Main duties / Responsibilities	<p>-Coordinates projects and supports activities for various tools in the area of engineering, manufacturing and construction area.</p> <p>-Coordinates the IT technical activities on several service contracts for the data management systems development and maintenance, in liaison with the different departments and users concerned. This may include the definition of IT technical specifications, the launch of new applications and the coordination of IT teams (on-site and off-shore);</p> <p>-Gathers, defines and negotiates technical requirements based on systems' analysis and users' requests, for an efficient implementation with least costs and schedule optimization;</p> <p>-Participates in the day-to-day IT operation of engineering tools;</p> <p>-Participates in the IT internal processes (ITIL, Prince II, ..)</p> <p>-Develops and maintains software solutions in the engineering domain when necessary;</p> <p>-Promotes the integration of those systems with the software application environment at the ITER Organization, which includes for example MS reporting services, SAP for contractual and financial data and Primavera for scheduling;</p> <p>-Contributes to the cyber security implementation at ITER, and to the operation of IT systems in particular by providing advice on technical aspects, analyzing complex situations, and identifying and implementing improvements in view of efficiency;</p> <p>-Performs other duties in support of the project schedule;</p> <p>-May be requested to be part of any of the project/construction team and perform other duties;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to Project Information System Section/Division Head;</p> <p>-Interfaces with other IT teams and all other entities in IO especially from the technical departments</p> <p>-In response to requests from the Director-General and/or Central Integration Office 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.</p>
Measures of effectiveness	<p>-Coordinate effectively the support of various applications ensuring that incidents, problems, user requests and requests for change are followed-up efficiently;</p> <p>-Manage efficiently various project in the field of engineering, manufacturing and construction area.</p> <p>Project Construction Phase ID SAP:50002185</p>

Applicant criteria

Level of study	Master or equivalent degree
----------------	-----------------------------

Diploma	IT field or other relevant discipline
Level of experience	At least 5 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 5 years of professional proven experience in IT for developing, operating and coordinating projects; -Experience with support and implementation of large PDM/PLM systems; -Experience in IT service delivery (ITIL) & user support; -Experience in software development; -Experience in ASP.NET development, especially interconnecting different Microsoft systems; -Experience in coordinating IT activities.
	<ul style="list-style-type: none"> -Knowledge of Microsoft based IT systems environment; -Certifications in service management & project management are considered as valuable; -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 communicate effectively, Ability to hold and respect deadlines
Languages	English (Fluent)