


JOB DETAIL

Ref. IO1523 - 11/14/2014

Project Eng. & Integration Division Head PSE-385

Main job	Mechanics
Department	DIP/Directorate for Plant System Engineering
Division	PSE/Project Engineering and Integration Division
Job Family	Head of Division
Application Deadline	12/07/2014
Grade	D1
Direct employment	Required
Purpose	<p>To provide leadership for the Project Engineering and Integration (PEI) Division members and work collaboratively with ITER management, users of Tokamak and Plant (T&amp;P) support syst., and with multiple Participant Teams to complete the eng. design, install., testing, integration &amp; commissioning of T&amp;P Syst. To ensure an efficient dialogue, thereby supporting integration with the Domestic Agencies.</p> <p>To be responsible for managing the IO Area Managers and Systems Analysts for the Space Managt., Functional and Safety Integration of the IO T&amp;P during design, install., testing and integrated commissioning.</p> <p>To oversee Area Managers for the successful implementation of the achievable long-term Time Schedule of the ITER Project.</p> <p>To assure the feasibility of the T&amp;P Installation, developing proper knowledge in the development of the install. sequence and in properly benchmarking the necessary prototype activities.</p> <p>To provide a transversal &amp; collaborative service for all the IO in performing structural calculations for syst./components consistently with the Licensing Design Basis for inertial/thermal &amp; electromagnetic loads properly combined.</p> <p>To assure a transversal &amp; collaborative service for all the IO in performing nuclear, radiological &amp; shielding calculations with radiation transport codes to assure radiological zonings are respected, equipment is protected against radiation damage &amp; occupational dose rates &amp; integrated exposure are reduced according to ALARA principles.</p>
Main duties / Responsibilities	<p>Coordinates &amp; collaborates with the PEI Division Section Leaders &amp; members to complete the Project Engineering Integration &amp; Structural/Hydraulic/ Mechanical/Nuclear Calculations on time &amp; within budget;</p> <p>Assures contract management is within budget &amp; consistent with the agreed contractual time schedule, optimizing as much as possible the insourcing/in-house eng. manpower;</p> <p>Ensures that functional requirements for each T&amp;P Syst. are specified &amp; documented &amp; that functional requirements meet user needs;</p> <p>Administers the design review process, ensuring that only designs that optimize quality, safety, schedule &amp; cost are carried forward;</p> <p>Assures integration of Building Interfaces &amp; Space Managt. area by area for each building, supporting properly mechanical/electrical &amp; Instrumentation &amp; Control construction &amp; installation activities;</p> <p>Anticipates, averts and/or resolves issues that arise regarding the quality &amp; design of each of the ITER T&amp;P Syst. by collaborating with the Integrated Product Team's (IPTs), proposing &amp; promoting mitigation methods.</p> <p>Assures the collection &amp; reporting of project managt. information including progress on design and fabrication activities performed by the IPTs;</p> <p>Assures completion of Procurement Arrangements for IO T&amp;P Syst., including design description doc. &amp; technical specifications;</p> <p>Integrates the licensing activities in close contact with the Safety Control Section;</p> <p>Assures the conflict resolution regarding the schedule &amp; cost of the IO T&amp;P Syst. construction;</p>

My space

 See jobs

My job alert

	<p>Provides effective leadership for the Division ensuring team members are motivated &amp; constantly developing their skills &amp; experience, maximizing human capital &amp; people's commitment to achieving the IO goals; Executes &amp; delivers the Detailed Work Schedule in support of the Strategic Managt. Plan for scope, budget &amp; schedule of the systems in the Division &amp; contributes to the staffing of the Division;</p>
Measures of effectiveness	<p>Assures goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets; Provides leadership in safety, promoting the safety Culture at all levels; Builds &amp; maintains relationships with internal &amp; external stakeholders; Performs other duties linked to the above purpose upon management request, as necessary; Maintains a strong commitment to the implementation &amp; perpetuation of the ITER Safety Program, values &amp; ethics.</p> <p>Reports to the Director of PSE Directorate; Acts as an interface for all other Divisions/Sections as required; Maintains communication with other organizations within the ITER collaboration &amp; the fusion community; In response to requests from the Director-General (DG) and/or ITER Project Department (DIP) Director, or proactively, informs the DG and/or DIP Director of any important &amp; urgent issues that cannot be handled by the concerned line managt. &amp; may jeopardize the achievement of the Project's objectives.</p> <p>Fosters a collaborative &amp; productive working environmt. by communicating efficiently with the PEI Section Leaders; Ensures close collaboration with other IPT's/organizations within the IO; Responsible for Division deliverables that meet safety standards, quality, schedule &amp; cost requirements; Responsible for implementation of safety nuclear regulation &amp; other safety standards of the Division's work; Responsible for adherence to technical standards across the Project.</p>
	Project Construction Phase
Level of study	Master or equivalent degree
Diploma	Mechanical or Nuclear Eng. or equiv. or doctorate
Level of experience	At least 15 years
Technical experience	<p>At least 15 years' experience in the relevant engineering management, mechanical design, or systems engineering, in international experience; In-depth understanding of complex space management integration addressing lay out solutions.; In-depth technical understanding and experience of complex design and construction (e.g., large tokamaks, nuclear plant systems and components); Good Project Management experience is required; Experience in the design, construction and operation of large tokamaks and/or tokamak sub-systems; knowledge of tokamak and tritium physics would be an advantage.</p>
People management experience	At least 10 years
Social skills	<p>Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit Ability to communicate effectively Collaborative</p>
General skills	<p>At least 10 years' experience in supervising a multinational team; Ability to provide effective leadership; Ability to motivate and develop the team members' skills and experience; Managerial experience on a wide range of project-related experience or plant design and construction.</p>
Others	<p>IT skills consistent with requirements for managing a complex project; High level knowledge in design/procurement and installation/commissioning of Nuclear Syst. considering integration among Clients, distribution and Suppliers; High level knowledge in managing licensing design basis of syst. &amp; components as well as safety issues consistent with the ITER Safety Report; Knowledge of water chemistry, construction, radwaste processing, hot cell operations, detritiation systems, remote handling &amp; cryogenic systems will be considered an advantage; Knowledge &amp; exp. in performing, or managing teams performing, structural, mechanical, thermal-hydraulic,</p>

electromagnetic, nuclear & radiological calculations;  
Ability to develop & maintain effective international  
contacts in the T&P syst. engineering discipline;  
Flexible & positive personality;  
Ability to negotiate with influence & convince internal &  
external stakeholders.

Languages	English (Working)
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