

IO1345 Building Integration Engineer - CIE-289

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / Project Engineering & Integration Division
Section	CIE / PEI / Design Integration Section

Job description

Main job	Engineering - Civil engineering
Title of the position	Building Integration Engineer - CIE-289
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>This post includes a total of 4 vacancies: CIE-289, CIE-305, CIE-306 and CIE-307.</p> <p>To assist the Area Manager in present layout proposals for components and systems inside buildings, to an optimized layout prior to developing the building construction designs.</p> <p>To contribute to the space management of mechanical / electrical / I&C systems and steel frames structures in the large ITER buildings of his/her affected area.</p> <p>To manage design studies ensuring that all Functional / Area Events (e.g. Flooding / Fire/ Segregation / Radiological protection / Primary and Secondary Missiles Protection) / Layout / In-Service-Inspection (ISI)/ Maintenance / Replacements requirements are properly satisfied through agreed and well defined procedures.</p> <p>To coordinate the related design activities and to propose to the Area Manager priorities for the execution of the work in the area of his/her scope of responsibility.</p>
Main duties / Responsibilities	<p>Assures satisfaction of space management requirements taking care of interfaces as well as of Area Events Requirements as per the French safety Authority Licensing Design Basis, reporting to and discussing any possible issues with the Area Manager;</p> <p>Assures control of layout drawings consistent with 3D Master Configuration Models;</p> <p>Supports the development and management of integrated design/construction sequence and associated installation / commissioning operations time schedule moving into Areas / Systems integration;</p> <p>Assists the Area Manager in the supervision of the production of layout drawings and 3D Master Configuration Models to manage the configuration of systems and components in specific area/areas of the ITER buildings throughout the design, Procurement, Construction, installation and commissioning phases providing the first source of information and propose solution when space management requirements are not satisfied, involving the Responsible officers and Qualified selected Specialists of the affected systems and structures according to ITER Design Control procedures.</p> <p>Supports the Area Manager in assessing the status of configuration of systems and structures up to the delivery of the building & systems in the area. Checking that all installation requirements are implemented and coordinating the actions to resolve interface issues between systems and ensure that the interface documents are up to date;</p> <p>Assists the Area manager in the assessment and disposition of Project Change Requests (PCR), Field Change Requests (FCR), Deviation Requests (DR), Non-Conformance Requests (NCR) ensuring the prompt implementation of the required changes in layout on assembly sequences, previous completion of an authorized costs / benefits analysis;</p> <p>During the equipment installation phase, acts as support of the construction manager for the concerned area;</p> <p>Organizes Close out meetings to monitor and accelerate the resolution of interface issues, tracks and ensures the timely closure of the actions raised during the Close Out Meetings in terms of Functional Requirements, Space Management requirements covering Area installation</p>

Measures of effectiveness	<p>and Maintenance; participates actively as support to the area manager to the preparation and execution of Design Integration Reviews and to the checking of models and drawings from Domestic Agencies and/or suppliers,</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule or Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
	<p>Under the coordination of the Area Manager, reports to the Design Integration Section Leader;</p> <p>Is member of the integration cell in charge of the integrated control of building design/layout;</p> <p>Acts as contact between construction and engineering staff liaising with all IO and Domestic Agencies responsible officers in charge of the design and procurement in the area acting as the contact between construction and engineering;</p> <p>In response to requests from the Director-General and/or Director of Central Integration & Engineering (CIE) Directorate, or proactively, informs the DG/Director of CIE Directorate 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>Relevant layout optimization proposals provided;</p> <p>Provide reports and assessments ensuring the adhesion to the design and construction schedule in the area of competence;</p> <p>Timely and accurate report, about analysis and implementation of the changes affecting the layout of system in the area of competence;</p> <p>Timely and accurate reporting on the status of the configuration;</p> <p>Project Construction Phase.</p>

Applicant criteria

Level of study	At least Bachelor's degree or equivalent
Diploma	nuclear/mechanical/electrical or civil engineering
Level of experience	At least 7 years
Technical experience	<p>Knowledge in nuclear engineering and having developed basic knowledge in mechanical / electrical and civil disciplines is considered as an advantage.</p> <p>At least 7 years' experience in large Plant design / service and erection management;</p> <p>At least 5 years' experience in design, procurement and installation of systems, structure or components;</p> <p>Nuclear experience would be considered as an advantage.</p> <p>Proven experience in the management of design, monitoring the status of the project and generating effective reports on the work;</p> <p>Capacity in addressing Costs / benefits analysis evaluating risks management and nuclear liabilities.</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 (Working)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)