

IO1156 Plant Design & Simulation Section Leader - CIECEP9

Job description

Main job	Engineering - Design
Title of the position	Plant Design & Simulation Section Leader - CIECEP9
Job family	Project engineering
Grade	P5
Direct employment	Not required
Purpose	<p>To support the configuration control of the ITER Computer Aided Design (CAD) data under the guidance and technical responsibility of the associated Responsible Officers; To contribute to the management of the interfaces.</p> <p>To be responsible for the control of all plant, assembly & maintenance designs related to Computer Aided Design (CAD) data.</p>
Main duties / Responsibilities	<p>Oversees the development & maintenance, controls the CAD data related to the Digital Mock-up of the ITER facility; checks CAD quality, coherency between diagram functions and DMU, contributes to the Project Change Management process and zone analysis, with the technical guidance of other IO ROs;</p> <p>Controls the IO & DA CAD data related to the plant design in support of the Directorates' process engineers industrial & nuclear multi-discipline requirements & best engineering practices, monitoring of the data structure inside the database, reference configuration and coherence of the various data involved, design changes, compliance with the CAD Manual;</p> <p>Is responsible for the 3D simulation analysis;</p> <p>Develops & maintains the maintenance standard parts catalogues;</p> <p>Is responsible for the development, implementation and maintenance of the schematics platform;</p> <p>Ensures high quality standards for the CAD plant & CAD configuration design processes conducted by the ITER Team, including improvements of the processes and CAD Manual, and training;</p> <p>Supervises the Plant Design & Simulation Section (ROs & Design Coordinators), ensuring team members are motivated and constantly developing their skills and experience;</p> <p>Allocates and monitors resources in relation to the project priorities while implementing cost containment measures;</p> <p>Negotiates and supervises contracts with external design companies in the area of plant design engineering, CAD support & configuration control design;</p> <p>Deals with a range of design disciplines;</p> <p>Contributes to reviews as well as intermediate and formal checking & approvals</p> <p>Contributes to interactions with DA & Suppliers for the CAD Collaboration and auxiliary Division related activities</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>
Measures of effectiveness	<p>Provides efficient and high quality service of the Plant Design & Simulation Section to ITER & the Domestic Agencies;</p> <p>Contributes to an effective management of geometrical interface issues and multi-discipline Piping & Instrumentation Diagram (P&ID) driven design;</p> <p>Contributes to the developing the Section staff's skills: technical capabilities, CAD tools, team spirit, etc.</p> <p>Establishes a good and collaborative attitude with all involved internal & external organizations.</p>

Applicant criteria

Level of study	Master or higher degree
Diploma	Processes and/or Engineering field
Level of experience	At least 15 years
Technical experience	<p>At least 15 years' industrial experience overseeing nuclear multi-discipline CAD plant design & CAD integration office activities is required. This includes: design (processes, site, buildings, tunnels, services / circuits, supports, penetrations, zoning analysis, assembly & maintenance including robotics, etc.), manufacturing & installation follow-up;</p>

	A minimum of 10 years' experience in design work involving an advanced plant CAD and integrated database system.
Project experience	At least 15 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively
General skills	<p>Social skills:</p> <p>Demonstrated ability to produce high quality results which have stood the test of being manufactured successfully would be a distinct advantage;</p> <p>Excellent ability to organize and monitor design activities;</p> <p>Capable of working towards predefined goals with a high level of autonomy</p> <p>Computer and IT skills:</p> <p>Experience with the usage of Catia 5, Enovia LCA-VPM5, Delmia and See-System-Design would be advantageous but is not essential;</p>
Languages	English (Working)
Specific skills	<p>MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <p>Interfaces with all involved Departments and Directorates, and in particular:</p> <p>Interacts on a daily basis with the relevant ITER Component ROs (in charge of the technical solutions), Integration ROs (in charge of the configuration control) and Division Members aiming at the required level of design quality and efficient development;</p> <p>Contributes to the data interfaces between the CAD infrastructure and the engineering data-base;</p>
Free criteria	<p>Maintains frequent communication with the other ITER Departments and Directorates, and interacts directly with appropriate levels in the ITER Parties' Domestic Agencies for all matters within his/her responsibility;</p> <p>IT skills:</p> <p>Experience with the usage of Catia 5, Enovia LCA-VPM5, Delmia and See-System-Design would be advantageous but is not essential</p>