

IO1351 Design Supervising Officer CIE-263

General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / CAD & Design Coordination Division
Section	CIE / DO / Plant Design Section

Job description

Main job	Engineering - Design
Title of the position	Design Supervising Officer CIE-263
Job family	Engineer - 1
Grade	G6
Direct employment	Required
Purpose	<p>To supervise Computer Aided Design (CAD) and design engineering assistance through Task Orders on plant design activities.</p> <p>To perform geometrical configuration, CAD design environment (context), interface control, quality control and performance/schedule measurement of the CAD activities (from design to manufacturing and installation).</p> <p>To control and manage CAD data and related databases for plant systems.</p> <p>To contribute (and/or coordinate) to the checking of the Manufacturing data.</p> <p>To support the Section Leader by ensuring coordination activities.</p>
Main duties / Responsibilities	<p>Supervises the implementation & control of CAD design and design engineering assistance by Engineering Companies to some plant systems ;</p> <p>Ensures the best usage of the CAD infrastructure for plant systems;</p> <p>Supervises the quality control of the CAD data and CAD database structures related to the component or system;</p> <p>Supports design related horizontal activities like Design Work Order, geometrical configuration control, CAD design environment (context) & interface checking, collaboration with Domestic Agencies (DAs)/Suppliers, etc.;</p> <p>Contributes and/or coordinates to the checking of the Manufacturing data;</p> <p>Supports the Section Leader by ensuring supervision & coordination activities and actively contributes to the identification of miss-functioning and improvement of the CAD infrastructure;</p> <p>Guarantees achievement of projects with a high level of autonomy, including: problem solving (technical, resource, schedule, quality, efficiency), circulation of the information, interaction with relevant actors and long-term knowledge of the system design;</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>Direct Supervisor and Interfaces</p> <p>Reports to the Plant Design Section Leader;</p> <p>Acts as an interface between the relevant ITER Component Responsible Officers Integration Responsible Officers , the Contractor's leading Designers & Engineers and the CAD & Design Coordination Division Members;</p> <p>In response to requests from the Director-General and/or the Central Integration and Engineering Directorate (CIE) Director, or proactively, informs the DG/CIE Director 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>Manages the proper usage of the CAD infrastructure by ITER Organization (IO) & non-IO Users;</p> <p>Ensures the efficient & quality assistance of the PBS RO by engineering companies;</p> <p>Supervises the implementation of the relevant CIE horizontal processes: DWS, DWO, geometrical configuration, PCR, budget;</p> <p>Organizes the required quality control and needed corrective actions;</p>

Manages the proper usage of the resources with regards to the schedule & cost containment;
 Interacts efficiently with different team members (IO, DA & Suppliers) on multi-discipline topics;
 Organizes complex activities while complying with schedule constraints;
 Proposes procedure improvements aiming at efficiency & quality;
 Supports efficiently the Section Leader by ensuring coordination activities.

SAP id 50000265
 Project construction phase.

Applicant criteria

Level of study	At least Bachelor's degree or equivalent
Diploma	Process or Mechanical Eng, CAD or equivalent
Level of experience	At least 7 years
	Key knowledge: design of components, design analysis, systems & building interfaces; design & manufacturing following up; design engineering approach in research & industry.
Technical experience	<p>At least 7 years' experience in CAD supervision; Leading Designer in a Plant and/or Mechanical Design Office in a multi-disciplinary project & preferably performed in a remote design collaboration environment; Experience in engineering activities & manufacturing monitoring, etc; Experience with the design & control of the Manufacturing data of vacuum & ultra-high vacuum systems as well as gas fuel handling would be an advantage; Demonstrated ability to produce high quality results which have stood the test of being manufactured, validated, installed & commissioned successfully; Experience in the design of complex structures, preferably in fusion &/or nuclear energy involving large welded & bolted components & structures, support systems, circuits & buildings & complex interfaces would be an advantage.</p>
Project experience	1 to 2 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, Ability to work under pressure</p> <p>Capability to supervise the activities of a team of Designers & Engineers; Excellent ability to organize and monitor design activities.</p>
General skills	<p>Social & Communication skills: Ability to work in a team and to promote team work; Ability to work towards predefined goals with a high level of autonomy while sustaining a high level of work pressure;</p> <p>Computer and IT skills: At least 5 years' experience in design work involving an advanced CAD system, including 3 years with CATIA 5; Experience with ENOVIA LCA-VPM or with other integrated database systems would be an advantage. Experience with SEE-SYSTEM-DESIGN or with other advanced Schematics CAD systems would be an advantage.</p>
Languages	English (Working)
Specific skills	CATIA, Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)