

IO1340 Design Coordinator CIE-301

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	Computer Science - Computer Aided Design
Title of the position	Design Coordinator CIE-301
Job family	Technician - 3
Grade	G4
Direct employment	Required
Purpose	<p>To coordinate and monitor 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>
Main duties / Responsibilities	<p>Coordinates and monitors the implementation and controls the CAD assistance to specific plant systems, provided by Engineering Companies, from the definition of the specifications, to the organization of kick-off-meetings, and control of the deliverables in terms of technics, quality, schedule;</p> <p>Ensures the best usage of the CAD infrastructure for plant systems;</p> <p>Verifies good quality control of the CAD data and CAD database structures related to the components or systems;</p> <p>Supports design related horizontal activities like Design Work Order, geometrical configuration control, CAD design environment (context) and interface checking, in collaboration with Domestic Agencies (DA)Suppliers, etc;</p> <p>Reviews the Manufacturing data;</p> <p>Actively contributes to the identification of miss-functioning and improvement of the CAD infrastructure and participates in the implementation of corrective actions;</p> <p>Contributes actively to the circulation and record of the information with relevant actors and to the consolidation of ITER Organization long-term knowledge management of the system design;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Breakdown Structure 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>
Measures of effectiveness	<p>Reports to the Plant Design Section Leader;</p> <p>Acts as an interface between the relevant Component Responsible Officers, Integration Responsible Officers, and 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 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>Manages the proper usage of the CAD infrastructure by all Users;</p> <p>Ensures efficiency and quality in the assistance provided to the component Responsible Officers by engineering companies;</p> <p>Coordinates and verifies the implementation of the relevant CIE horizontal processes;</p> <p>Organizes the required quality control and needed corrective actions ;</p> <p>Monitors the proper usage of the resources with regards to the schedule & cost containment.</p>

Applicant criteria

Level of study	Two years post-secondary education
Diploma	Tech. Eng. field -Civil, Industrial, Process,CAD
Level of experience	At least 7 years
Technical experience	<p>Experience in a Plant Design Office, Civil - Industrial Building or Electro-Mechanical Design Office in engineering activities & manufacturing monitoring;</p> <p>Experience in a remote design collaboration environment would be an advantage;</p> <p>Experience with the design and control of the Manufacturing data of Cooling Water Systems and/or Cryogenic Systems would be an advantage</p> <p>Experience in multi-national projects, preferably in fusion and/or nuclear energy involving large components and structures, support systems, high-power circuits & buildings and complex interfaces would be an advantage;</p> <p>Ability to control the deliverables of subcontractors (Designers and Engineers) in regard to the technical, schedule and costs requirements.</p> <p>Knowledge of fluidic, circuits, mechanical components, systems and building interfaces, design and manufacturing following up, design engineering approach in research and industry.</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	<p>CATIA, Computer Aided Design, ENOVIA, MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <p>Computer and IT Skills:</p> <p>At least 5 years' experience in design work involving an advanced CAD system, including 3 years with CATIA 5;</p>
Others	<p>Experience with ENOVIA LCA-VPM or with other integrated database systems would be an advantage.</p> <p>Experience with SEE-SYSTEM-DESIGN or with other advanced Schematics CAD systems enabling multi-discipline process description would be an advantage.</p>