

# IO1351 Design Supervising Officer CIE-263

## General information

Job category	Standard
Status	Published
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 &amp; 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) &amp; 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 &amp; 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 &amp; Engineers and the CAD &amp; 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) &amp; non-IO Users;</p> <p>Ensures the efficient &amp; 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 &amp; preferably performed in a remote design collaboration environment;          Experience in engineering activities &amp; manufacturing monitoring, etc;          Experience with the design &amp; control of the Manufacturing data of vacuum &amp; 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 &amp; commissioned successfully;          Experience in the design of complex structures, preferably in fusion &amp;/or nuclear energy involving large welded &amp; bolted components &amp; structures, support systems, circuits &amp; buildings &amp; 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 &amp; Engineers;          Excellent ability to organize and monitor design activities.</p>
General skills	<p>Social &amp; 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)