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JOB DETAIL

Ref. IO1730 - 6/24/2016

CAD Production Engineer CIO-049

Main job	Computer Aided Design
Department	CIO/ Central Integration Office
Division	CIO / Design Office Division
Section	CIO / DO / CAD Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	07/24/2016
Grade	P3
Direct employment	Not required
Purpose	<p>-To implement the Computer Aided Design (CAD) resource policy aiming at efficiency, quality &amp; schedule-minder approach.</p> <p>-To bring a strong added value on: CAD task management &amp; coordination, best CAD &amp; Engineering industrial practices and schedule compliance, in particular focused on the proper implementation of standards and drawings production .</p> <p>-To support the CAD Section Leader in coordination tasks.</p> <p>Background information:</p> <p>-CAD resources involved are: IO CAD Designers &amp; Technicians and externalized work-packages management.</p>
Main duties / Responsibilities	<p>-Manages the CAD production based on the CAD Work-Plan and unplanned requests aiming at design quality, efficiency &amp; schedule compliance;</p> <p>-Supports the CAD Section Leader in the coordination of the Design Coordinators, CAD Core Team and externalized work-packages;</p> <p>-Supports activities such as: CAD flexibility implementation within project priorities, document technical review (CAD Work-Plans consistently with DPP, specifications, deliverables), regular progress meetings with Contractors, input for earned-value analysis &amp; key performance indicators;</p> <p>-Develops, promotes and enforces the usage of best industrial design practices in the mechanical &amp; plant design areas, such as: geometrical configuration, 2D-3D coherence, plant disciplines, construction data, interfaces and CAD collaboration, contributes to technical issue fixing;</p> <p>-Develops an effective collaboration with Department CAD Coordinators, Responsible Officers and Project Control, organizes regular meetings to plan ahead, review progresses and fix issues;</p> <p>-Enforces CAD Quality Assurance and Quality Control (QA/QC) and Design Office (DO) processes;</p> <p>Identifies, analyses and fixes CAD production efficiency &amp; design quality issue cases;</p> <p>-Proposes &amp; implements improvements for the DO processes &amp; CAD infrastructure;</p> <p>-Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan &amp; upon management request;</p> <p>-May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request;</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 CAD Section Leader;</p> <p>-Acts as an interface between the Design Office and Systems, Integration, Configuration, Project Control, Contractors;</p> <p>To collaborate with the Department CAD Coordinators and the Responsible Officers;</p> <p>-In response to requests from the Director-General and/or the Head of the Central Integration Office (CIO) or proactively, informs the DG/ CIO Head of any important and urgent issues that cannot be handled by the</p>

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concerned line management and may jeopardize the achievement of the Project's objectives.

-Implements the IO CAD resource policy aiming at efficiency, quality & schedule-minded approach;  
-Maintains & reviews the CAD Work-Plans aiming at the requested level of information resolution & coherence (scope, deliverables, interfaces, schedule...);  
-Proposes pertinent & documented CAD resource flexibility solutions when needed;  
-Develops further the design capabilities of the DECO and CAD Core Team;  
Implements smoothly and efficiently the best industrial practices in design & resource management areas.

SAP Id: 50001051  
Project Construction Phase

Level of study	At least Master's Degree or equivalent
Diploma	in mechanical, process engineering
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' industrial experience overseeing Mechanical and/or Plant Design Office activities in large nuclear projects performed in an international environment and in a remote design collaboration manner, including resource and quality supervision;</p> <p>At least 6 years' experience in planning (including effort / budget estimates) &amp; coordinating design tasks, CAD &amp; engineering contracts (measured through earned value &amp; Key Performance Indicators). Staff management experience would be highly appreciated;</p> <p>At least 3 years' experience in the production of General Arrangement drawings, Composites drawings and large mechanical assembly drawings;</p> <p>Experience on Schematics would be an advantage.</p> <p>Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree;</p>
Social skills	<p>Ability to work effectively in a multi-cultural environment</p> <p>Ability to work in a team and to promote team spirit</p> <p>Good negotiation skills</p>
Specific skills	<p>CATIA</p> <p>Computer Aided Design</p> <p>ENOVIA</p>
General skills	<p>-Design engineering knowledge in nuclear environment / industry required in the following areas: general installation / arrangement, fluidics, Heating, Ventilation and Air</p> <p>-Conditioning concrete and steel-frame buildings, electro mechanics, penetrations, support systems, installation (including CAD documents for construction hand-over, tolerances, as-built), commissioning, operation and maintenance, system approach, preliminary sizing, configuration control, nuclear requirements, QA/QC.</p>
Others	<p>At least 5 years' experience with CATIA V5, ENOVIA LCA – VPM V5 , See-System-Design, or/and AVEVA/PDMS or/and equivalent advanced 2D-3D CAD plant tools are required;</p> <p>An experience with a Project Life Cycle Management would be highly appreciated.</p>
Languages	English (Fluent)