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JOB DETAIL

Ref. IO1677 - 4/14/2016

CAD Technician CIO-056

Main job	Design
Department	CIO/ Central Integration Office
Division	CIO / Design Office Division
Section	CIO / DO / CAD Section
Job Family	Technician - 2
Application Deadline (MM/DD/YYYY)	05/15/2016
Grade	G3
Direct employment	Required
Purpose	<ul style="list-style-type: none"> - To execute design activities related to mechanical & plant systems; - To apply best industrial practices in the area of Computer Aided Design (CAD) for: components, circuits & integration; manufacture-ability & installation & maintainability; - To support the deliverable-based approach (at IO & outside IO) & remote design collaboration; - To implement CAD Quality Assurance (QA), Quality Control (QC) requirements & measures. - Main initial design / activities focused on: Tokamak design integration & construction (general drawings, tooling, assembly phasing description...)
Main duties / Responsibilities	<ul style="list-style-type: none"> - Produces Computer Aided Design (CAD) Deliverables, in accordance with the CAD Work-plan, such as: General arrangement/layout drawings, schematics, 3D models, assembly/part drawings, isometrics, interface & composite drawings, bills of materials, 3D simulations, tagging & other CAD data to support all phases (design, procurement, pre-assembly, installation & commissioning); - Performs execution of technical studies, impact assessment and implementation of changes requests and design review preparations; - Supports the Project in the procurement follow up via assessing speedily and efficiently design change requests and non-conformities, and checks manufacturing drawings; - Alerts on new issues and any deviation; - Supports integration, interface clarification and solving of design issues; - Develops / converts files for dedicated analysis; - Supports CAD design Work Packages performed in a remote design collaboration manner; - Updates and maintains CAD data and related databases; - Supports design activities associated to: standardization and catalogues, CAD data exchanges, maintenance of the context and configuration branches; - Complies with CAD QA and contributes to CAD QC; - Preserves component (PBS) and system knowledge related to design activities - Provides accurate DO monthly reports; - Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; - May be requested to be part of any of the project team and perform other duties upon management request; - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. - Under the technical guidance of Plant Breakdown Structure Responsible Officers, reports to the CAD Section Leader; - Acts as an interface with other internal and external resources for the final design, the procurements, the pre-assembly and the installation of the equipment; - In response to requests from the Director-General and/or Central Integration Office (CIO) Head, or

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proactively, informs the DG/CIO Head 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.

Measures of effectiveness	<ul style="list-style-type: none">- Contributes to design & integration solutions with a high level of autonomy;- Supports the proper usage of the CAD infrastructure by ITER Organization (IO) & non-IO Users;- Contributes to the implementation of the relevant IO horizontal processes: CAD configuration...;- Contributes to Quality Control (QC) and corrective measures implementation;- Produces the required reports on time and in accordance with a high quality standard;- Performs multi-tasking while adjusting quickly to new systems, issues and working environment;- Interacts efficiently with different team members (IO, DA & Suppliers) on multi-disciplines topics;- Contributes to complex activities while complying with schedule & cost containment constraints;- Promotes team spirit & makes proposals aiming at enhancing efficiency & quality.
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Project Construction Phase

Level of study	At least Post-Secondary Degree or equivalent
Diploma	Tech Engineering field or other related discipline
Level of experience	At least 3 years
Technical experience/knowledge	<ul style="list-style-type: none">- At least 3 years of relevant design office experience including extensive usage of CATIA V5;- The experience with CATIA Equipment & Systems, advanced CAD data-bases like ENOVIA V5, Visio-based schematics software like See-System-Design and/or an advanced schematics driven 3D design software like AVEVA/PDMS and DELMIA would be an advantage.- Minimum relevant knowledge, preferably in nuclear environment, in: mechanics & plant design, general drawings, preliminary sizing, manufacturability, geometrical integration, checking of CAD data/drawings including manufacturing's, assembly tooling & sequencing, specific fusion technologies (ultra-high vacuum, cryogenics, robotics...), design support (CAD exchanges...);- Experience in multi-national projects, preferably in fusion and/or nuclear energy involving large components, supporting structures, buildings and complex interfaces would be an advantage;- Ability to control the deliverables from multi-national subcontractors;
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	CATIA MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	- Proficiency in MS Office standard (Word, Excel, PowerPoint, and Outlook) & Adobe Reader.
Languages	English (Fluent)

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