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JOB DETAIL

Ref. IO1731 - 6/24/2016

Processes & Software Engineer CIO-058

Main job	Software
Department	CIO/ Central Integration Office
Division	CIO / Design Integration Division
Section	CIO / DO / CAD Infrastructure Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	07/24/2016
Grade	G6
Direct employment	Not required
Purpose	Within the CAD Infrastructure Section, administrates CAD services related to the ITER schematic platform composed of See System Design (SSD), See Electrical Expert (SXP), AVEVA diagram and AVEVA Instrumentation &Control (I&C).These tools cover Process & Identification Diagram, Electrical and I&C architecture and detailing diagrams.
Main duties / Responsibilities	<p>-Administrates, configures, develops & updates the ITER schematic CAD tools aiming at fulfilling ITER project & ISO standards requirements.</p> <p>-Ensures high availability of schematic CAD tools for usage by all project stakeholders concerned.</p> <p>-Develops & maintains the integration of schematic CAD tools within the overall CAD infrastructure (PLM, Document management system, Multi-CAD).</p> <p>-Ensures software architecture evolves to fulfill IT requirements, (i.e.: server updates, OS updates).</p> <p>-Administrates User accesses to the different schematic databases as per data exchange procedures, Export control, intellectual property, and “need to know” requirements.</p> <p>-Maintains the schematic library of symbols & attributes up to date with the project needs.</p> <p>-Produces & maintains the associated supporting documentation: software configuration management, CAD manual, user guidelines, and training materials, CAD Quality Assurance and Quality Control (QA/QC) requirements.</p> <p>-Animates training session, certifies users for software usage.</p> <p>-Ensures communication about schematic tools to all project stakeholders,</p> <p>-Ensures software support for all project stake holders, manages the Ticket system platform.</p> <p>-Manages the interaction & knowledge sharing with the domestic agencies design offices.</p> <p>-Manages requests related to software functionalities from all project stake holders.</p> <p>-Proposes technical consultation for the overall CAD Infrastructure (e.g. PLM, digital mock-up, configuration management, multi-CAD, interfaces with auxiliary software).</p> <p>-Develops Database reports & Key Performance Indicators to track production & quality of the schematic & databases.</p> <p>-Writes and supervises deliverable-based contracts with external companies supporting the activity.</p>
Measures of effectiveness	<p>-Manages a range of (QA), CAD and database practices in the area of mechanical and plant design as well as simulation, such as: design life-cycle, modeling, drafting, Bill-of-Materials, CAD design collaboration, libraries, identification, naming convention, design changes;</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> <p>-Reports to the CAD Infrastructure Section Leader;</p> <p>Interfaces with all involved Directorates, Divisions, DA and</p>

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contractors;
-In response to requests from the Director-General and/or Central Integration Office Director, or proactively, informs the DG or/and CIO 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.

-Provides high quality service to the ITER & DAs CAD & Design Coordination teams;
-Provides high level standards of CAD data quality and processes within the defined timeframe;
-Successfully develops and enhance, CAD tools, and team spirit;
-Establishes a good collaborative relationship with all involved internal and external organizations.

SAP Id: 50000269
Project Construction Phase

Level of study	At least Master's Degree or equivalent
Diploma	Nuclear, Mechanical, Plant process, I&C, CAD Eng.
Level of experience	At least 5 years
Technical experience/knowledge	<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> <p>-At least 5 years' experience in deployment, integration and development of schematic CAD software for Nuclear/Large process Plant projects. -Experience required in Schematic Software change & configuration management: produced documentation for quality assurance, Software configuration & administration manuals, version tracking logbook, CAD manual, user guides, CAD processes, CAD QA & QC. -Experience In Process diagram PID, electrical diagram, I&C diagram specification and related ISO standards -Experience in the management of Deliverable-based contracts in industry.</p> <p>-Fundamental knowledge on schematics produced for large process plant, nuclear installation.</p>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	Computer Aided Design ENOVIA Oracle
General skills	-Capability to work towards predefined goals with a high level of autonomy
Others	A minimum of 3 years' experience as schematic software administrator (preferably SSD, SXP, AVEVA), and CAD databases (ORACLE, SQL, DABACON, etc.); Experience with ENOVIA LCA - VPM5 would be an advantage
Languages	English (Fluent)