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Ref. IO1617 - 12/25/2015

Plant CAD Software Administrator - CIO-041

-	Main job	Computer Aided Design
	Department	CIO/ Central Integration Office
	Division	CIO / Design Office Division
	Section	CIO / DO / Mechanical Design & CAD Infrastructure Section
	Job Family	Functional Officer - 1
	Application Deadline (MM/DD/YYYY)	01/17/2016
	Grade	P2
	Direct employment	Not required
	Purpose	 To manage the administration, deployment, software certification & enhancement of the Computer Aided Design (CAD) infrastructure for plant design using the AVEVA software. To contribute to the interface between AVEVA & existing ITER CAD software & Project Lifecycle Management (PLM) with relevant administrators and follow-up development and implementation. To adjust to a large range of missions in relation with other CAD / Engineering software to support the Design Office Division and the Central Integration Office (CIO). Develops and implements AVEVA DIAGRAMS & 3D, and multi-disciplinary design applications; Interfaces with specialists for hardware infrastructure setup, software & database aspects; Implements the supplier/environment packages for AVEVA including catalogues; Sets-up the software for the number of users and sites, providing user access rights & support;
	Main duties / Responsibilities	 Develop & maintains documents for software administration, certification & usage based on ITER needs
		 & best industrial practices; Ensures that AVEVA data quality and the Catia context integration requirements are applied; Specifies supporting functionalities (bridge with PLM, automation) and follows implementation; Assists System Engineers in generating AVEVA reports and sharing light model files; Sets-up piping specifications & isometrics generation customization as per requirements; Guarantees achievement of projects with a high level of autonomy. Proposes improvements on efficiency & quality of the present CAD Infrastructure; Is able to adjust to a large range of missions to support the Design Office and the Central Integration Office, including similar missions as previously with other CAD / Engineering software. Performs other duties linked to the above purpose upon management request, as necessary; in particular supports the Section Leader and actively contributes to the identification of miss-functioning and improvement of the CAD infrastructure; May be requested to be part of any of the project team dealing with the above activities and perform other duties upon management request; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

• Reports to the Mechanical Design & CAD Infrastructure

	 Section Leader; Support the Design Office Responsible Officer for Plant Infrastructure; Acts as an interface for AVEVA between the Design Office, the associated horizontal interfaces and the Plant System Responsible Officers (ITER Organization & Domestic Agencies / Suppliers); In response to requests from the Director-General and/or Central Integration Office (CIO) Head, or 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	Manages efficient and high quality usage of the AVEVA Applications at IO and DA/Suppliers; Manages the proper usage of the CAD plant infrastructure
	 by IO & non-IO Users; Supports the implementation of the relevant CIO horizontal processes; Organizes the required quality control and needed corrective actions; Manages the proper usage of the resources with regards to the schedule & cost containment; Promotes the Design Office environment to the ITER design Contributors.
Level of study	At least Master's Degree or equivalent
Diploma	Process and/or Computer-Aided Design or other
Level of experience	At least 5 years
Technical experience/knowledge	 Key knowledge: AVEVA 3D administration, multi-software & multi-location CAD architecture in large and complex
	 projects; At least 5 years' experience. in a Plant Design / CAD Methodology Office in a multi-disciplinary project and preferably performed in a remote design collaboration environment; Experience in engineering activities preferably in fusion and/or nuclear energy involving circuits & buildings, supports & penetrations, and complex interfaces would be an advantage; Basic Project Management experience is required; Demonstrated ability to produce high quality results which have stood the test of being manufactured, validated, installed and commissioned successfully.
Social skills	 projects; At least 5 years' experience. in a Plant Design / CAD Methodology Office in a multi-disciplinary project and preferably performed in a remote design collaboration environment; Experience in engineering activities preferably in fusion and/or nuclear energy involving circuits & buildings, supports & penetrations, and complex interfaces would be an advantage; Basic Project Management experience is required; Demonstrated ability to produce high quality results which have stood the test of being manufactured, validated, installed and commissioned successfully. Ability to work effectively in a multi-cultural environment Ability to communicate effectively
Social skills Others	 projects; At least 5 years' experience. in a Plant Design / CAD Methodology Office in a multi-disciplinary project and preferably performed in a remote design collaboration environment; Experience in engineering activities preferably in fusion and/or nuclear energy involving circuits & buildings, supports & penetrations, and complex interfaces would be an advantage; Basic Project Management experience is required; Demonstrated ability to produce high quality results which have stood the test of being manufactured, validated, installed and commissioned successfully. Ability to work effectively in a multi-cultural environment Ability to communicate effectively At least 5 years' experience in design work involving an advanced plant CAD system, including 2 years with AVEVA software usage & administration; Knowledge about interfaces between CAD authoring tools, PLM & IT; Experience with ENOVIA V5, CATIA 5 Equipment & Systems, See-System-Design or with other integrated database systems would be an advantage;

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