



the way to new energy

china eu india japan korea russia usa


JOB DETAIL

Ref. IO1675 - 4/14/2016

Construction & Integration Engineer CIO-053

Main job	Construction
Department	CIO/ Central Integration Office
Division	CIO / Design Integration Section/Division
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	05/15/2016
Grade	P2
Direct employment	Not required
Purpose	<div>- To provide assistance to Design Integration in the area of port systems. - To support the port cells, Neutral Beam Cell Area Manager for all engineering tasks related to the port systems integration and construction management. - Performs integration assessment of the interfaces definition between the components and systems (functional and physical); - Assures Constructability , Applicability, Reliability and Maintainability of the port systems; - Monitors and controls the manufacturing of main port components in accordance to interface definition and functional tolerance requirements; - Manages R&D and associated mock-ups related to port systems Integration; - Assesses assembly processes in an integrated manner for mechanical components on the basis of construction process documents; maintenance studies, ensuring that all safety related aspects are properly considered (dose rate limitation to personnel and contamination confinement); - Ensures design control through design integration reviews and model approval processes; - Participates actively to the port plug assembly and - Assesses component tolerances on mechanical components on the basis of functional tolerance drawings in support to Deviation Request and Project Change Request; Performs 3D variation studies to assure the successful integration of port systems;</div>
Main duties / Responsibilities	<div>- Follows major ITER milestones and provides forecast and planning for the Port Integration work, and covers regular reports on team performance according to defined schedule; - Manages volume reservations inside the port area (configuration management process) under consideration of special needs for man access and tooling during installation and maintenance; - Supports meeting preparation and post processes (writing actions, reports, CAD model approval and other configuration management related documentation); - Performs other duties in support of the integration and construction work in the areas of the Tokamak, port systems and interfacing plant systems; - Supports project schedule as described in the Detailed Work Schedule or Strategic Management Plan; - 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 performs other duties upon management request; - Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. - Under the coordination of the Area Manager for Port systems, reports to the Design Integration Section / Division Head; - Interfaces closely with the Engineering & Construction Departments and other ITER Departments and Project Teams, to ensure interfaces and requirements consistency;</div>

My space

 See jobs

My job alert

	<div>- Interacts with the technical responsible officers and systems engineers for the components within ITER Organization , Project Teams and Domestic Agencies for all matters relating to port systems and Tokamak Integration;</div> <div>- 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.</div>
Measures of effectiveness	<div>- Enhances in an exhaustive manner the definition of the port systems configuration;</div> <div>- Manages and resolves interface issues following deviation requests or non-conformity reports during the whole construction and commissioning phase of the Tokamak;</div> <div>- Manages the port systems as-built configuration with respect to construction intermediate and final dimensions, together with assembly final positioning of components within the defined cost and schedule;</div> <div>- Reviews and completes Construction work packages in an exhaustive manner with respect to interface definition.</div> <div>Project construction phase</div>
Level of study	Master or equivalent degree
Diploma	Mechanical Engineering or other related discipline
Level of experience	At least 5 years
Technical experience/knowledge	<div>- Knowledge of basic mechanical & piping assembly technologies;</div> <div>- Knowledge about rules of Configuration Control management;</div> <div>- Knowledge of tolerance management.</div> <div>At least 5 years' experience covering the following topics:</div> <div>- Integration of large projects scientific and/or nuclear projects, involving large components and structures would be an advantage; Evaluation of interfaces, creation of related interface actions and follow up until resolution;</div> <div>- Design, procurement and construction.</div> <div>- Tolerance studies of mechanical system;</div> <div>- Handling of large& heavy components;</div> <div>- Nuclear plant quality assurance program, safety and regulatory requirements;</div>
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)
General skills	<div>- Excellent capability to interact with experts from different disciplines;</div> <div>- Organizational skills and autonomy for his/her of responsibility;</div>
Others	<div>- Good knowledge with CATIA V5 or similar CAD system;</div> <div>- Good knowledge of 3D tolerance software;</div> <div>- Excellent knowledge of the Microsoft Office package;</div> <div>- Familiarity with schedule planning tools.</div>
Languages	English (Fluent)
	<div></div> <div></div> <div></div> <div></div>

For more information about ITER, visit our web site : <http://www.iter.org>