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JOB DETAIL

Ref. IO1542 - 6/12/2015

Vacuum Line Engineer VAS-001

Main job	Vacuum technologies
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Vacuum Section
Job Family	Engineer - EC
Application Deadline (MM/DD/YYYY)	06/28/2015
Grade	P1
Direct employment	Not required
Purpose	<p>To follow-up with the completion of ITER vacuum systems design, which are procured both through the ITER Organization (IO) and Domestic Agencies (DA) procurements.</p> <p>To initiate and complete engineering activities and technical coordination for the procurement, pre-manufacture and subsequent installation of ITER vacuum systems.</p> <p>To develop commissioning procedures and documentation required for the startup of ITER Vacuum Systems.</p>
Main duties / Responsibilities	<p>Provides effective support to the Responsible Officer leading the design, installation and subsequent commissioning of ITER vacuum pipework systems;</p> <p>Prepares technical specifications for the procurement of vacuum pipework systems;</p> <p>Supports the coordination of vacuum pipework system design and engineering activities between the IO and DAs;</p> <p>Participates in the technical assessment of replies to call for tenders for the procurement of vacuum pipework systems;</p> <p>Prepares technical reports required under the scope of vacuum pipework procurement contracts;</p> <p>Participates in the development of detailed installation sequences & in the co-ordination with IO assembly and installation groups to develop construction work packages required for the installation of vacuum pipework systems;</p> <p>Follows-up with weld design and qualification for vacuum pipework systems;</p> <p>Participates in monitoring the progress of vacuum pipework procurement and installation contracts by preparing and reviewing technical documentation;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>May be requested to belong to any project team dealing with 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 Vacuum Section Leader;</p> <p>Acts as an interface between IO and DA Responsible Officers for systems with interfaces with Vacuum systems;</p> <p>In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED 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.</p>

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Measures of effectiveness	Effectively supports the completion of design activities on schedule; Participates in the development of specific vacuum system commissioning procedures to meet project schedules; Supports the management of procurement contracts to deliver systems to cost and schedule; Proposes installation plans to meet project schedules respecting constraints; Identifies and alerts management of risks to cost and schedule in a timely manner to avoid schedule slippage and cost increase; Demonstrates ability to make critical assessments of construction sequences and to propose alternate sequences to optimize the use of resources.
Project Construction Phase	
Level of study	Master or higher degree
Diploma	Engineering or other relevant discipline
Level of experience	At least 2 years
Technical experience/knowledge	At least 2/3 years engineering experience in industry or on large complex construction projects; combined with an experience in mechanical engineering related to vacuum preferably linked to large vacuum pipework systems; Experience in industry or on large complex construction projects; Knowledge of weld design and techniques; Experience with design and manufacture codes ; Experience interpreting engineering analysis results; Experience working with small teams of technicians and/or engineers.
Basic project management experience, preferably with more than one engineering project, is required. Ability to identify and alert management on both technical and schedule risks.	
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 MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Social Skills: Ability to promote a project and safety culture.
Computer and IT skills: Computer literate and confident with Microsoft Pack Office applications; Experience with CAD applications on diagrams and drawings (P&ID, 3D layout, isometrics).	
Languages	English (Fluent)