

IO2073 Vacuum Piping Engineer VAS-001

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Vacuum Section

Job description

Main job	Engineering - Vacuum technologies
Title of the position	Vacuum Piping Engineer VAS-001
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<p>To contribute to the preparation of ITER vacuum systems, which are procured both through the ITER Organization (IO) and Domestic Agencies (DA) procurements, for installation.</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>Participates in the design, integration, installation and subsequent commissioning of ITER vacuum stainless steel pipework systems which form a +10 Km network;</p> <p>Prepares technical specifications for the procurement of vacuum pipework systems spools and supports;</p> <p>Supports the coordination of vacuum pipework system design changes and engineering activities between the IO and DAs;</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>Supports the structural integrity validation of design changes required for integrations and installation;</p> <p>Participates in monitoring the progress of vacuum pipework procurement and installation contracts by preparing and reviewing technical documentation;</p> <p>May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</p> <p>May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct.</p>
Measures of effectiveness	<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>Effectively supports the completion of design activities on schedule;</p> <p>Meets project schedule via an efficient participation in the development of specific vacuum system commissioning procedures;</p> <p>Follows-up effectively procurement contracts to deliver systems to cost and schedule;</p> <p>Proposes installation plans to meet project schedules respecting constraints;</p> <p>Identifies and alerts management of risks to cost and schedule in a timely manner to avoid schedule slippage and cost increase;</p>

Demonstrates ability to make critical assessments of construction sequences and to propose alternate sequences to optimize the use of resources.

SAP ID 50003554

Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering
Level of experience	At least 5 years
Technical experience/knowledge	<p>At least 5 years engineering experience in industry or on large complex construction projects; combined with an experience in mechanical engineering;</p> <p>Experience related to vacuum linked to large vacuum pipework systems is considered as an advantage;</p> <p>Experience with design and manufacturing codes;</p> <p>Experience with using CAD and structural analysis tools;</p> <p>Experience working with small teams of technicians and/or engineers.</p> <p>Basic project management experience, preferably with more than one engineering project, is required;</p> <p>Ability to identify and alert management on both technical and schedule risks.</p>
General skills	<p>Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;</p> <p>Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;</p> <p>Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</p>
Languages	English (Fluent)
Specific skills	Computer Aided Design
Others	<p>Computer literate and confident with Microsoft Pack Office applications;</p> <p>Experience with CAD applications on diagrams and drawings (P&ID, 3D layout, isometrics).</p>