

# IO1542 Vacuum Line 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 Line Engineer VAS-001
Job family	Engineer - EC
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 &amp; 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> <p>Effectively supports the completion of design activities on schedule;</p> <p>Participates in the development of specific vacuum system commissioning procedures to meet project schedules;</p> <p>Supports the management of procurement contracts to deliver systems to cost and schedule;</p>

Measures of effectiveness	<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> <p>Demonstrates ability to make critical assessments of construction sequences and to propose alternate sequences to optimize the use of resources.</p>
	Project Construction Phase

## Applicant criteria

Level of study	Master or higher degree
Diploma	Engineering or other relevant discipline
Level of experience	At least 2 years
Technical experience/knowledge	<p>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;</p> <p>Experience in industry or on large complex construction projects;</p> <p>Knowledge of weld design and techniques;</p> <p>Experience with design and manufacture codes ;</p> <p>Experience interpreting engineering analysis results;</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>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Fluent)
Specific skills	<p>Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)</p> <p>Social Skills: Ability to promote a project and safety culture.</p>
Others	<p>Computer and IT skills:</p> <p>Computer literate and confident with Microsoft Pack Office applications;</p> <p>Experience with CAD applications on diagrams and drawings (P&amp;ID, 3D layout, isometrics).</p>