

IO2066 Mechanical Engineer - Pressure Equipment TED-028

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer - Pressure Equipment TED-028
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To undertake procurement activities associated with the Vacuum Vessel (VV) for the areas of In Service Inspection, Operational Instrumentation and Lower Penetrations;</p> <p>To supervise the engineering activities related to said procurement arrangements of the VV and the Ports;</p> <p>To develop procedures for the assembly of the Vacuum Vessel, collaborating closely with the Construction Department (CST) and the Construction Management as Agent (CMA).</p> <p>Follows up activities in terms of the engineering, manufacturing and acceptance tests of components;</p> <p>Is responsible for engineering matters related to the VV procurement arrangements for Vacuum Vessel Sectors, Ports and Gravity Supports: including follow up and management of design changes, non-conformities and, engineering support for acceptance tests;</p> <p>Evaluates compliance of designs with codes (such as RCC-MR, ASME etc.);</p> <p>Performs detailed checking on the assembly strategy, tolerance allocation and dimensional inspection documentation of as built components;</p> <p>Develops engineering and construction work packages for the assembly of the Vacuum Vessel and the Ports, including the definition of assembly requirements, Bill of Materials and assembly drawings;</p> <p>Identifies and resolves non-conformance and open points in the construction process;</p> <p>Fixes process interfaces between components or systems and tools;</p> <p>Controls and confirms input data to Tokamak Construction Contractors with the CMA;</p> <p>Reviews installation work packages as prepared by the CMA and Tokamak Assembly contractors;</p> <p>Liases with ITER's Quality Management Division (QMD) for the implementation of Quality Assurance (QA) ;</p> <p>May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;</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>
Main duties / Responsibilities	
Measures of effectiveness	<p>Under the supervision of the Vacuum Vessel Group Leader, reports to the Vessel Division Head.</p> <p>Efficiently contributes to the procurement activities of the VV systems and/or components in a timely manner and within defined costs;</p> <p>Supports the oversight of VV fabrication, coordination and communication with CMA and the relevant Domestic Agencies (DAs);</p> <p>Meets the final tolerances of the Vacuum Vessel;</p> <p>Generates and maintains coherent, comprehensive, and understandable documentation;</p> <p>Takes initiative to fix issues and process interfaces of the design and manufacturing of the VV at the ITER Organization;</p> <p>Coordinates and communicates well with colleagues within the IO and DAs;</p>

Performs activities related to the Project Construction Team in a safe, accurate and timely manner.

ID SAP: 50003755

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical or Material Engineering
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' experience in the design, procurement and manufacturing supervision of components for nuclear pressure equipment and/or pressure equipment;</p> <p>Experience applying the RCC-MR/RCC-M or ASME codes to pressure equipment;</p> <p>Industrial experience in the fabrication of stainless steel structures including material procurement and tolerance control or similar activities;</p> <p>Experience implementing requirements related to the French Regulation for Pressure and Nuclear Pressure Equipment, including Conformity Assessments of Nuclear Pressure Equipment would be considered advantageous;</p> <p>Expertise in Geometric Dimension and Tolerance and Metrology is considered advantageous;</p> <p>The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.</p> <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>
General skills	<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	CATIA, Computer Aided Design
Others	<p>Good command of the Microsoft Office package;</p> <p>Experience of CAD models and drawings with CATIA (or equivalent).</p>