



china eu india japan korea russia usa

JOB DETAIL

Ref. IO1603 - 11/27/2015

Manufacturing Design Engineer - TED-028

Main job	Manufacturing, welding
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	01/03/2016
Grade	P2
Direct employment	Not required
Purpose	<p>To support manufacturing design activities for all Vacuum Vessel (VV) components.</p> <p>To review manufacturing drawings for all VV components.</p> <p>To support the activities related to the procurement of the VV components and manufacturing of the VV Sectors and Ports with an emphasis to the proper code & standards compliance and reporting.</p> <ul style="list-style-type: none"> • Supports the Responsible Officers to monitor and follow up the Procurement Arrangements signed with the Domestic Agencies (DAs) for the fabrication and final delivery of the VV Sectors and Ports and other components, as required; • Performs detailed checking of manufacturing design documentation including three dimensional models, drawings, welding map, assembly sequence; emphasis will be on compliance with RCC-MR code (Design and construction rules for mechanical components of nuclear installations) and technical specifications; • Performs detailed checking on manufacturing strategy, tolerance allocation and dimensional inspection documentation to meet final Vacuum Vessel tolerances;
Main duties / Responsibilities	<ul style="list-style-type: none"> • Performs detailed checking of material documentation; emphasis will be on compliance with RCC-MR code and technical specifications; • Monitors the fabrication of components for the VV Sectors and Ports built according to RCC-MR for material procurement, jig fabrication, assembly activities, dimensional test, pressure test and leak testing; • Reviews and performs factory acceptance test for VV components; • Performs routine monitoring activities, such as day-by-day interactions with the DAs and their suppliers, attends regular progress and dedicated meetings, participates to routine and unscheduled inspections at the supplier's premises, and witnesses intermediate and final acceptance tests. • Implements all requirements dictated by the Agreed Notified Body and related to the French Regulations for Pressure and Nuclear Pressure Equipment; • Liaises with ITER Quality Assurance & Assessment Division (QAA) for the implementation of QA requirements on the VV components; • Supports preparation for the assembly of the VV components and interfaces with the Machine Assembly Division; • Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan & upon management request; • May be requested to be part of any of the project team and perform other duties upon management request; • Maintains a strong commitment to the implementation

My space



See jobs

My job alert

and perpetuation of the ITER Safety Program, values and ethics.

- Reports to the VV/Ports & Thermal Shield Section Leader;
- Acts as an interface between all other Departments within the ITER Organization, as required;
- In response to requests from the Director-General (DG) and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ or TED 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.
- Contributes efficiently to procurement activities of VV systems and/or components in a timely manner and within defined costs;
- Supports the oversight of VV fabrication and coordination and communication with the DA;
- Generates and maintains coherent, comprehensive, and understandable documentation;
- Takes initiative to understand the design and manufacturing at the ITER Organization (IO) and effective coordination with the IO and DA staff;
- Maintains effective communications within the Department and ITER colleagues.

Measures of effectiveness

Project Construction Phase

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical or material engineering
Level of experience	At least 5 years
Technical experience/knowledge	<div>– At least 5 years' experience in the design, procurement and manufacturing supervision of components for Nuclear Pressure Equipment and/or Pressure Equipment;</div> <div>– Experience applying the RCC-MR/RCC-M or ASME codes to Pressure Equipment;</div> <div>– Industrial experience in fabrication of stainless steel structures including material procurement and tolerance control;</div> <div>– Experience in CAD models and drawings with CATIA(or equivalent);</div> <div>– Experience implementing all requirements related to the French Regulation for Pressure and Nuclear Pressure Equipment, including Conformity Assessment of Nuclear Pressure Equipment, would be considered advantageous;</div> <div>– Expertise in Geometric Dimensioning and Tolerancing and metrology is considered advantageous;</div> <div>– Basic Project Management experience is required.</div>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Others	– Good command of the Microsoft Office package.
Languages	English (Fluent)

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