

IO1588 Mechanical Engineer - TED-023

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer - TED-023
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To be responsible for the implementation of the Thermal Shields (TS) procurement.</p> <p>To be responsible for design finalization of the TS components including the assessment of the cryogenic power requirements and the overall heat balance of the system.</p> <p>To be responsible for monitoring of manufacturing and assembly of the TS.</p>
Main duties / Responsibilities	<p>Ensures cooling design and assessment of the cryogenic power requirements;</p> <p>Manages thermal and structural analysis as required during manufacturing and assembly;</p> <p>Manages interface issues including clearance/gap control for all operation scenarios;</p> <p>Manages manufacturing and assembly of all components of TS including Additional Nuclear Shielding (ANS), Thermal Shields Manifolds (TSM), Thermal Shields Instrumentation (TSI) and electrical & thermal insulations, etc;</p> <p>Inspects manufacturing activities and factory acceptance test of the TS;</p> <p>Manages non conformities during manufacturing and assembly of the TS;</p> <p>Manages manufacturing process (schedule) and planning;</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 be part of any of the project team dealing with the 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>
Measures of effectiveness	<p>Reports to VV/ Ports & Thermal Shield Section Leader;</p> <p>In response to requests from the Director-General and/or Tokamak Engineering Department Head, or proactively, informs the DG/Tokamak Engineering Department 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>Completes analysis activities of TS in a timely manner and within defined costs;</p> <p>Manages effectively the manufacturing and the assembly of all components of TS;</p> <p>Generates and maintains coherent, comprehensive and understandable design documentation;</p> <p>Maintains effective communications within the ITER Organization.</p>
	SAP ID: 50000170
	Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical engineering field or other
Level of experience	At least 8 years
	At least 8 years of experience as a mechanical engineer and thermal analyst;

Technical experience/knowledge	Basic Project Management experience is required; Ability to evaluate thermal analysis results using design codes.
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	Ansys, MS Office professional (Access, Project, Publisher, Visio)