

IO1264 Mechanical Engineer TKM-022

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Vessel Division
Section	TKM/ VD/ Thermal Shields Section

Job description

Main job	Engineering - Mechanics
Title of the position	Mechanical Engineer TKM-022
Job family	System Engineer - 1
Grade	P3
Direct employment	Not required
Purpose	<ul style="list-style-type: none">-To be responsible for finalization of design of the Thermal Shields (TS) including the assessment of the cryogenic power requirements and the overall heat balance of the system;-To be responsible for monitoring of manufacturing and assembly of TS.
Main duties / Responsibilities	<ul style="list-style-type: none">-To be responsible of the Thermal insulation design for the Thermal Shields(TS);-Ensures cooling design and assessment of the cryogenic power requirements;-Analyses of heat balance and temperatures of the structures;-Performs thermal and structural analysis as required to define and verify the design;-Manages interface issues including clearance/gap control for all operation scenarios;-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;-Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;-Performs other duties linked to the above purpose upon management request, as necessary;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	<ul style="list-style-type: none">-Reports to Thermal Shields Section Leader;-In response to requests from the Director-General and/or Director of Tokamak (TKM) Directorate, or proactively, informs the DG/Director of TKM Directorate 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.-Completes analysis activities of TS in a timely manner and within defined costs;-Generates and maintains coherent, comprehensive and understandable design documentation;-Maintains effective communications within the ITER Organization. <p>-SAP Id : 50000170.</p> <p>-Project Construction Phase.</p>

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical Engineering
Level of experience	At least 5 years
Technical experience	<ul style="list-style-type: none">-Experience as a mechanical engineer and thermal analyst;-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 (Working)
Specific skills	Ansys