

IO1264 Mechanical Engineer TKM-022

General information

Job category	Standard
Status	Draft
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	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	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	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. SAP Id : 50000170. Project Construction Phase.

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical Engineering Filed
Level of experience	At least 5 years
Technical experience	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