

# IO1389 Magnet Division Head TKM-003

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division

## Job description

Main job	Engineering - Mechanics
Title of the position	Magnet Division Head TKM-003
Job family	Head of Division
Grade	D1
Direct employment	Required
Purpose	<p>To manage the ITER Magnet Division and ensure the design, procurement, testing, assembly and commissioning of the ITER Magnet System, including work organization, schedules, priorities and interfaces to other ITER participants responsible for procurement and their industries.</p> <p>To be technically responsible for the Magnet System functional performance and to act as an interface between the Magnet Division and other participant teams involved in the Magnet System procurement.</p> <p>To contribute to the centralization of construction management.</p>
Main duties / Responsibilities	<p>Provides effective leadership for the ITER Magnet Division, ensuring that team members are motivated and constantly developing their skills and experience;</p> <p>Develops the ITER magnets towards construction, assembly, testing and commissioning;</p> <p>Manages the design, specification, procurement, assembly, and installation of associated systems (Toroidal Field (TF) Coils, Central Solenoid (CS), Poloidal Field (PF) and Correction Coils, Coil Terminal Boxes (CTB), Coil Feeder and their instrumentations);</p> <p>Integrate the overall electrical-mechanical design of the ITER coils</p> <p>Create Matrix with Assembly team;</p> <p>Ensures that the proper design qualification is performed during fabrication and the procured components satisfy the ITER project requirements;</p> <p>Monitors procurement of the magnets through the Responsible Officers (ROs), ensures quality controls are being implemented and followed, ensures proper action is taken in the event of a Quality Assurance (QA) or qualification failures;</p> <p>Defines tasks and deliverables, provides risk analysis and management, makes status reports, oversees problem reporting and management systems, and ensures project planning, follow-up and organization;</p> <p>Ensures that the ITER Magnet documentation is timely and properly prepared;</p> <p>Monitors and controls ITER magnet costs, schedule and resources and takes action where these deviate from agreed ranges;</p> <p>Contributes to the technical design and analysis of ITER superconducting magnets and their interfaces with such as power supply and cryogenic system;</p> <p>Executes and delivers the Annual Work Plans and Long Term Plans ;</p> <p>Assures and manages that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;</p> <p>Maximizes human capital and people's commitment to achieving the IO goals;</p> <p>Builds and maintains relationship with internal and external stakeholders;</p> <p>Performs other duties linked to the above purpose upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to the Director of the Directorate for Tokamak;</p> <p>Acts as an interface between the Magnet Division and other Directorates as required ;</p> <p>Maintains direct relations with the team's Magnet ROs regarding magnet procurement;</p> <p>In response to requests from the Director-General and/or Department for ITER Project, or proactively, informs the DG/ Department for ITER Project of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of</p>

	the Project's objectives.
Measures of effectiveness	<p>Builds-up the Magnet Division and motivate the team;</p> <p>Completes the design and analysis of ITER magnets, defines their interfaces and provides supporting R&amp;D;</p> <p>Ensures the timely implementation of procurement and successful commissioning of the ITER magnets;</p> <p>Create Matrix with Assembly team;</p> <p>Responsible for Division deliverables that meet safety standards, quality schedule and cost requirements;</p> <p>Responsible for implementation of safety nuclear regulation and other safety standards of the Division's work;</p> <p>Responsible for adherence to technical standards.</p> <p>SAP ID: 50000141</p> <p>Project construction Phase</p>

## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Electrical or mechanical engineering or relevant
Level of experience	At least 15 years
Technical experience	<p>- At least 15 years' technical experience with a minimum of 10 years specifically in superconductor and coil design, manufacturing, testing, assembly, and commissioning.</p> <p>- Established technical experience in the superconductivity and magnet scientific community;</p> <p>- Experience with project management in a large magnet project.</p>
People management experience	At least 10 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	<p>At least 10 years of experience in team management, preferably in a multi-disciplinary project;</p> <p>Ability to provide effective leadership;</p> <p>Ability to motivate and develop the team members' skills and experience.</p> <p>Ability to communicate clearly and write technical reports and specifications in English.</p>
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Good knowledge of the computer tools needed for the work mentioned above.