

# IO1391 Cryostat & VVPSS Section Leader TKM-073

## General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for Tokamak
Division	TKM / Vessel Division
Section	TKM / VV / Cryostat and VVPS Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Cryostat & VVPSS Section Leader TKM-073
Job family	Section Leader
Grade	P5
Direct employment	Required
Purpose	<p>To lead and coordinate the overall design and procurement activities for Cryostat and Vacuum Vessel Pressure Suppression System (VVPSS).</p> <p>To interface with Domestic Agencies (DAs) responsible for procurement and their suppliers. To oversee and manage all technical aspects of these systems, develop implementation plans for all work, and monitor and control schedules for all associated activities.</p>
Main duties / Responsibilities	<p>Provides effective leadership for the Section, ensuring that team members are motivated and constantly developing their skills and experience;</p> <p>Coordinates all Cryostat &amp; VVPSS activities;</p> <p>Ensures that the engineering and manufacturing designs of the Cryostat &amp; VVPSS meet the requirements of the ITER machine;</p> <p>Prepares the technical documents required for the Cryostat &amp; VVPSS procurement;</p> <p>Oversees structural and thermal analyses of the Cryostat &amp; VVPSS;</p> <p>Defines and coordinates the interfaces with other systems;</p> <p>Effectively interfaces with the ITER DAs responsible for procurement;</p> <p>Oversees the review and approval of manufacturing and quality assurance documentation for the procurement of the Cryostat &amp; VVPSS;</p> <p>Oversees and manages all technical, manufacturing and quality control aspects of these systems;</p> <p>Develops detailed implementation plans for all work and monitors and controls associated schedules;</p> <p>Executes and delivers the Detailed Work Schedule in support of the Strategic Management Plan for scope budget and schedule of the systems in the Section and contributes to the staffing of the Section;</p> <p>Assures that ITER Organization's (IO) 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>Provides leadership in safety;</p> <p>Builds and maintains relationship with internal and external stakeholders;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to the Vessel Division Head;</p> <p>Interfaces with all other departments within the ITER Organization;</p> <p>In response to requests from the Director-General and/or Tokamak Director, or proactively, informs the DG / Tokamak Director 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>
Measures of effectiveness	<p>Manages the activities and staff of the section;</p> <p>Ensures an efficient and quality service;</p> <p>Establishes a collaboration attitude with all involved internal and external entities;</p> <p>Responsible for Section deliverables that meet safety standards, quality schedule and cost requirements;</p>

Responsible for implementation of safety nuclear regulation and other safety standards of the section's work;  
Responsible for adherence to technical standards.

ID SAP 50001010  
Project Construction Phase

## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering
Level of experience	At least 10 years
Technical experience	<ul style="list-style-type: none"><li>- At least 10 years' experience in the design and manufacture of components for Ultra High Vacuum (UHV) systems and/or nuclear device components;</li><li>- Experience in fabrication (forming and welding) of large vessel structures;</li><li>- Experience in working with nuclear and conventional vessel codes;</li><li>- Proven project experience for the design and manufacture of similar components is highly desirable.</li></ul>
People management experience	<ul style="list-style-type: none"><li>- Knowledge of advanced mechanical components and systems, structural analysis and vacuum/welding technologies is considered an advantage.</li></ul>
Social skills	At least 5 years Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	At least 5 years' experience in supervising a team would be an advantage; Ability to provide effective leadership; Ability to motivate and develop the team members' skills and experience.
Languages	Ability to negotiate with influence and convince internal and external stakeholders. English (Working)
Others	High level command of the Microsoft Office package and scheduling software; Knowledge of commercial Finite Element Analysis codes, like ANSYS, is desirable.