

IO1630 Remote Handling Engineer - PED-007

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Remote Handling & Radioactive Materials Division
Section	PED / RHRM / Remote Handling & Hot Cell Complex Section

Job description

Main job	Engineering - Mechanics
Title of the position	Remote Handling Engineer - PED-007
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To contribute to the development of methods and strategy for In-Service Inspection and maintenance of ITER Systems, Structures and Components (SSCs);</p> <p>To carry out the design and development of Remote Handling equipment and tooling required for inspection and maintenance of ITER SSCs, both at their operational locations within the ITER plant and within the ITER Hot Cell and Radwaste Facilities;</p> <p>To ensure proper integration of remote handling systems within the ITER facilities;</p> <p>To contribute to Remote Handling Research & Development and procurement programs through the preparation of specifications and contract follow-up;</p> <p>To enforce and maintain the ITER Quality Assurance (QA) program and safety requirements for SSCs.</p>
Main duties / Responsibilities	<p>Identifies maintenance and inspection needs, functions and requirements for the SSCs;</p> <p>Develops interfaces between Remote Handling Systems and the concerned SSCs to ensure their maintainability;</p> <p>Ensures technical coordination/integration of Remote Handling projects;</p> <p>Ensures that Remote Handling systems' design meets the requirements for the ITER machine remote maintenance;</p> <p>Executes Remote Handling equipment design activities needed prior to and following placement of procurement contracts;</p> <p>Executes Remote Handling equipment operations and operation logistics assessments;</p> <p>Enforces and maintains effective configuration management of Remote Handling equipment and their interfacing systems;</p> <p>Ensures his/her full involvement in the Remote Handling equipment development lifecycle from requirements definition, through control and monitoring of the design phase, procurement, delivery, commissioning and operation;</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 the Remote Handling and Hot Cell Complex Section Leader;</p> <p>Acts as an interface with all other ITER Directorates and Departments, as required;</p> <p>In response to requests from the Director-General and/or Plant Engineering Department(PED) Head, or proactively, informs the DG/PED 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>Establishes reliable, efficient, effective and well integrated Remote Handling system designs with appropriate levels of design justification / verification;</p> <p>Realizes reliable, efficient, effective and well integrated Remote Handling systems suitable for long-term operation in the ITER facilities;</p> <p>Effectively manages R&D and procurement projects within schedule and cost.</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering, Mechanical field, or other discipline
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' experience in the design, development, integration of remote operated/robotic systems for operation in hazardous environments;</p> <p>Experience in the analysis of the operational requirements and/or operations related to remotely operated/robotic systems in fusion and/or nuclear devices would be an advantage;</p> <p>Experience in technical integration/coordination for the construction of large (science or industry) projects would be an advantage.</p> <p>Experience in design and development of remote handling devices for hazardous environments</p>
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)
Others	<p>MicroSoft Office suite</p> <p>CATIA V5 and/or AVEVA would be an advantage</p> <p>Stress Analysis tools (such as ANSYS) would be an advantage</p>