

# IO2051 Remote Handling System Engineer PED-167

## General information

Job category	Standard
Status	Confirmed
Department	PED / Plant Engineering Department
Division	PED / Remote Handling & Radioactive Materials Division
Section	PED / RHRM / Remote Handling Section

## Job description

Main job	Engineering - Robotics, Industrial technologies
Title of the position	Remote Handling System Engineer PED-167
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To support Remote Handling (RH) activities for systems(s) design, Research &amp; Development (R&amp;D), procurement specification and procurement project management;</p> <p>To enforce and maintain effective configuration control on associated systems;</p> <p>To provide effective cost/schedule/procurement management;</p> <p>To enforce and maintain Quality Assurance program and safety requirements;</p> <p>To manage and coordinate procurement activities with the Domestic Agencies (DAs) and industrial suppliers.</p>
Main duties / Responsibilities	<p>Develops and assures surveillance on technical activities of engineers and technicians for the integration of the project;</p> <p>Develops, reviews and monitors the Remote Handling system(s) design, R&amp;D, procurement and integration with global ITER facility;</p> <p>Ensures that the ITER machine components meet the requirements for remote maintenance;</p> <p>Assures integration with international R&amp;D activities on RH system in the frame of RACE agreement;</p> <p>Develops and maintains the technical specifications for procurements;</p> <p>Enforces and maintains effective configuration control on associated systems;</p> <p>Effectively interfaces with ITER domestic agencies in charge of procurement for RH;</p> <p>Technically coordinates matrix integration activities within the project and executes the integral system design and analysis;</p> <p>Coordinates the key areas of remote handling equipment usage for maximum reliability and efficiency;</p> <p>Suggests and implements improvements in the ITER machine components and RH tools / systems to achieve successful compatible interfaces among components and RH as well as maintainability requirements satisfaction;</p> <p>Investigates and implements efficient solutions to assure and achieve preventive remote maintenance in the frame of ITER machine operations, May be required to work outside normal working hours, including nights, weekends and public holidays;</p> <p>Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</p> <p>May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct.</p> <p>Reports to the Remote Handling Section Leader;</p> <p>In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/ PED 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>
Measures of effectiveness	<p>Effectively communicates with the designers of ITER machine components to optimize both component and remote maintenance equipment design and performance;</p>

Controls, monitors and respects the cost and schedule for the execution of the RH equipment procurement activities;  
 Proposes efficient technical solutions maintenance, operation and recovery;  
 Efficiently develops and maintains technical interfaces with DAs and industry to ensure design activities and procurement processes are compliant with quality, schedule and cost requirements.

## Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering or other relevant discipline
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' experience in the technical integration/coordination for construction of large (science or industry) projects;          Experience in the design, analysis and integration of remote operated / robotic systems for maintenance of fusion and/or nuclear devices;          Experience in preparing and monitoring design, research and/or manufacturing contracts in an international environment;          Good knowledge and ability to use Failure Mode Effect Analysis (FMEA) and recovery / rescue of complex systems;          Knowledge of radiation hardness requirements and testing experience as well as knowledge of Reliability, Availability, Maintainability, Inspectability (RAMI) Analysis.) is an advantage.</p> <p>Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational qualifications.</p>
General skills	<p>Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;          Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;          Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;          Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;          Instill trust: Ability to apply high standards of team mind-set, trust, excellence, loyalty and integrity.</p>
Languages	English (Fluent)
Others	<p>Good command of the Microsoft Office package.          Capability in use of 3D CAD modelling (e.g. CATIA V5) is an advantage.</p>