

# IO1965 Cryogenic System Operator - PED-137

## General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cryogenic System Section

## Job description

Main job	Engineering - Cryogenics
Title of the position	Cryogenic System Operator - PED-137
Job family	Technician - 3
Grade	G4
Direct employment	Not required
Purpose	To participate in commissioning, testing, operation and related preparatory activities of the ITER cryogenic system within the integrated team.
Main duties / Responsibilities	<ul style="list-style-type: none"><li>-Prepares and Participates to the cryogenic plant system commissioning phase to reach the Site acceptance test project Milestone;</li><li>-Operates the ITER cryogenic system throughout the different project phases, including trouble-shooting, emergency interventions and maintenance support, depending on requirements and situations;</li><li>-Creates, applies, reviews and updates the operating and maintenance procedures for the cryogenic plant;</li><li>-Contributes to improve the Human Machine Interface plant view, programmable logic and plant control;</li><li>-Manages the technical documentation;</li><li>-Provides technical support and assistance to the operation department in charge of the auxiliary systems exploitation (e.g. electrical power, cooling water, compressed air etc.);</li><li>-Contributes to ensure quality assurance for the defined scope of work and to manage interface issues;</li><li>-May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;</li><li>-Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;</li><li>-May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;</li><li>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul>
Measures of effectiveness	<ul style="list-style-type: none"><li>-Reports to the Cryogenic System Section Leader;</li><li>-Interfaces with other ITER Technical Departments as required;</li><li>-Maintains communication with other organizations within the ITER collaboration and the fusion community;</li><li>-In response to requests from the Director-General and/or Head of the Plant Engineering Department (PED), or proactively, informs the DG/Head of PED 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.</li></ul> <p>-Availability of cryogenic system;</p> <p>-Safe and continuous operation ensured during commissioning period as well as operation project phase;</p> <p>-Schedule compliance with project key milestones (operational and site acceptance test);</p> <p>-Successful validation of plant performance within the defined quality, cost and schedule.</p>
	Project Construction Phase

## Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Process Engineering, instrumentation or related
Level of experience	At least 5 years
Technical experience/knowledge	<ul style="list-style-type: none"> <li>-At least 5 years' experience in the testing, commissioning and/or operation of process or thermo-hydraulic installations (oil &amp; gas, power-generation, chemical, refrigeration);</li> <li>-Good experience in system diagnosis and instrumentation;</li> <li>-Good experience in writing and reviewed technical documents;</li> <li>-Experience in operations and maintenance of cryogenic distribution system or large refrigeration systems is considered as an advantage.</li> </ul>
Social skills	<p>Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit</p> <ul style="list-style-type: none"> <li>-Problem solving attitude;</li> </ul>
General skills	<ul style="list-style-type: none"> <li>-Ability to dialogue with a wide variety of contributors and stakeholders;</li> <li>-Ability to adjust communication content and style to deliver messages;</li> <li>-Ability to persist in the face of challenges to meet deadlines with high standards;</li> <li>-Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.</li> </ul>
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<ul style="list-style-type: none"> <li>-MS Office standard (Word, Excel, PowerPoint, Outlook);</li> <li>-Knowledge in Siemens PLC S7 serie , or EPICS Scada system is considered as an advantage.</li> </ul>