

IO1992 Fuelling Engineer PED-200

General information

Job category	Standard
Status	Published
Department	PED / Plant Engineering Department
Division	PED / Fuel Cycle Engineering Division
Section	PED / FCED / Fuelling & Wall Conditioning Section

Job description

Main job	Engineering - Energy technologies
Title of the position	Fuelling Engineer PED-200
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To perform the design and integration of the Pellet Injection System (PIS) and Disruption Mitigation System (DMS); including the development of documentation necessary for the procurement arrangements, interface management and surveillance of the procurement , installation and commissioning of the PIS..</p> <p>To implement DMS R&D (Research & Development) Work Plan and support the International DMS Task Force as an IO DMS expert.</p>
Main duties / Responsibilities	<p>Provides the design, development and scheduling of the PIS and DMS, including control of the functional and physical interfaces of PIS and DMS alongside other systems and components;</p> <p>Supervises the Domestic Agencies' (DA) progress in the engineering, R&D activities and procurement of the PIS and DMS;</p> <p>Provides assistance to the DAs and ITER Groups to carry-out engineering, R&D, interface control and procurement work;</p> <p>Participates in writing and reviewing technical documentation, such as Technical Specifications (TS), System Requirement Documents (SRD), Interface Control Documents (ICD), Design Description Documents (DDD) and other documents necessary for the procurement arrangements;</p> <p>Implements DMS R&D Work Plan and supports the International DMS Task Force in the qualification process;</p> <p>Supports the Machine Assembly and Commissioning teams as a technical go-to responsible engineer;</p> <p>May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;</p> <p>May be requested to be part of any other team on the project and perform other duties upon request of the management;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Special notice: May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization.</p> <p>Reports to the Fuelling & Wall Conditioning Section Leader;</p> <p>Either in response to requests from the Director-General and/or the Head of the Plant Engineering Department (PED) or proactively, responsible for informing 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> <p>Assure high quality completion of the engineering activities, R&D, procurement and implementation according the required time schedule and within the authorized budget;</p> <p>Perform work safely and securely;</p>

Measures of effectiveness	Efficiently resolve design and interfaces issues for fueling & wall conditioning activities; Communicate and collaborate effectively and harmoniously with ITER staff, DAs and contractors.
	Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	in a mechanical or electric engineering field
Level of experience	At least 8 years
Technical experience/knowledge	<p>At least 8 years' experience in performing the design, construction, installation, commissioning and operation of fuelling systems in fusion devices or similar</p> <p>At least 2 years of project management experience;</p> <p>Knowledge of tritium safety, nuclear licensing, cryogenic system, vacuum pumping system and plasma physics is advantageous;</p> <p>Experience in coordinating activities and managing interfaces;</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 degree.</p>
Project experience	2 to 4 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>Ability to dialogue and negotiate with a wide variety of contributors and stakeholders;</p> <p>Ability to listen and adjust communication content and style to deliver messages;</p> <p>Ability to apply high standards of team mind-set, trust, excellence, loyalty and integrity.</p>
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office professional (Access, Project, Publisher, Visio), MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>Good knowledge of Microsoft office standard and beyond (Word, Excel, PowerPoint, Outlook, Visio, Project);</p> <p>Capability with Computer Aided Design. Experience with AVEVA PDMS is highly desirable.</p>