



the way to new energy

china eu india japan korea russia usa

## JOB DETAIL

Ref. IO1976 - 5/6/2018

### Vacuum Processes Technician PED-158

<b>Main job</b>	Vacuum technologies
<b>Department</b>	PED / Plant Engineering Department
<b>Division</b>	PED / Fuel Cycle Engineering Division
<b>Section</b>	PED / FCED / Vacuum Section
<b>Job Family</b>	Coordinating Technician
<b>Application Deadline (MM/DD/YYYY)</b>	06/17/2018
<b>Grade</b>	G5
<b>Direct employment</b>	No
<b>Purpose</b>	<p>To develop and update the process schematics and 3D models for the ITER Vacuum System.</p> <p>To produce and update Process Flow Diagrams, Piping and Instrumentation Diagrams, One Line Electrical diagrams, cabling diagrams and logic diagrams for the complete Vacuum System.</p> <p>To support the implementation and maintenance of the vacuum 3D CAD models.</p>
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"><li>• Responsible for production of vacuum processes 2D schematics – P&amp;ID – according to functional and safety system performances;</li><li>• Produces intelligent Process Flow Diagrams (PFD), Piping and Instrumentation Diagrams (PID) and electrical schematics to international standards for the complete vacuum system;</li><li>• Produces process control logic and sequence diagrams for the operation of the various ITER vacuum systems;</li><li>• Contributes to the implementation and maintenance of vacuum 3D CAD models, consistent with vacuum processes schematics;</li><li>• Contributes to the implementation of relevant design metadata in CAD tools associated databases;</li><li>• Develops schemes for the generation of data for the installation and commissioning documents for the vacuum system;</li><li>• May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays;</li><li>• May be requested to be part of any of the ITER project teams and perform other duties upon management request;</li><li>• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul> <ul style="list-style-type: none"><li>• Reports to Vacuum Section Leader;</li><li>• Acts as an interface between Vacuum and other technical Sections in the ITER Organization (IO) and with Domestic Agencies (DAs) and contractors;</li><li>• In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively informs the DG/Director or 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>
<b>Measures of effectiveness</b>	<ul style="list-style-type: none"><li>• Clarity and thoroughness of reports and drawings;</li><li>• Quality and timeliness of work products;</li><li>• Implementation of cost-effective, and efficient solutions in vacuum system process design;</li><li>• Quality of communication with personnel associated with interfacing systems and management;</li><li>• Ability to work effectively in teams and contribute to the overall success of the ITER project;</li><li>• Performing work safely and with regard for safety in designs.</li></ul>
<b>Level of study</b>	Bachelor or equivalent degree
<b>Diploma</b>	Process Engineering or other relevant discipline
<b>Level of experience</b>	At least 7 years
<b>Technical experience/knowledge</b>	<p>At least 7 years' engineering experience including process engineering in a complex high technology engineering environment;</p> <p>Experience of working to international standards for process schematics production (PFD/P&amp;ID), and electrical and cabling diagrams production;</p> <p>Mechanical and Plant design using CAD</p> <p>Extensive experience in similar jobs (involving similar work</p>

My space



See jobs

My job alert

responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.

<b>Social skills</b>	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit Ability to communicate effectively Collaborative
<b>Specific skills</b>	CATIA Computer Aided Design MS Office professional (Access, Project, Publisher, Visio ) MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>General skills</b>	Ability to facilitate dialogue with a wide variety of contributors and stakeholders; Ability to listen and adjust communication content and style to deliver messages; Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
<b>Others</b>	Knowledge of 2D CAD software for process modeling ideally SEE System Design, AVEVA instrumentation, SEE-Electrical Systems. Knowledge of 3D CAD software ideally CATIA, AVEVA (E3D). Microsoft Word, Excel, Access, Visio and PowerPoint.
<b>Languages</b>	English (Fluent)

[Back](#)

[Apply](#)

[Send to a friend](#)

[Print offer](#)

For more information about ITER, visit our web site : <http://www.iter.org>

© RFlux Progiel • All Rights Reserved