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## JOB DETAIL

Ref. IO1849 - 6/8/2017

## Hot Cell Nuclear Engineer - PED-112

<b>Main job</b>	Nuclear Power
<b>Department</b>	PED / Plant Engineering Department
<b>Division</b>	PED / Remote Handling & Radioactive Materials Division
<b>Section</b>	PED/ RHRM/ Hot Cell & Rad-waste Section
<b>Job Family</b>	Engineer - 2
<b>Application Deadline (MM/DD/YYYY)</b>	07/30/2017
<b>Grade</b>	P3
<b>Direct employment</b>	Not required
<b>Purpose</b>	To work on integration, safety, assembly, installation, commissioning and operation of the ITER Hot Cell Complex, including the Remote Handling and Radwaste Systems contained within. The Hot Cell Complex includes the Hot Cell and Radwaste Facilities and the Personnel Access Control Building.
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"> <li>-Ensures the performance of the Hot Cell Complex (HCC) as a nuclear facility that fulfills the ITER maintenance requirements and the safety requirements;</li> <li>-Works on the integration of functions of the Hot Cell Complex and ensures the general arrangement of the Hot Cell Complex, covering all required systems and components systems; which are required for HCC functionality in the different stages of the ITER project.</li> <li>-Works directly for the ITER Hot Cell Complex assembly, installation, commissioning and operation of the ITER Hot Cell Complex;</li> <li>-Establishes and updates the configuration related to the design, interfaces, procurement, assembly, commissioning and operation technical documentation for the Hot Cell Complex;</li> <li>-Participates in R&amp;D, design, integration, safety, procurement, assembly and installation, Commissioning &amp; Operation of the ITER Radwaste Treatment and Storage systems and the ITER Hot Cell Remote Handling Systems;</li> <li>-Contributes to the interface of ITER with the French Authorities and with the French Disposal Facilities to which all ITER Radwaste will eventually be transported;</li> <li>-Supports the licensing activities in close collaboration with the Safety Department;</li> <li>-Develops the required safety documentation and operating procedures for the Hot Cell &amp; Radwaste facilities in close collaboration with the involved interfaces;</li> <li>-Performs other duties in support of the project schedule;</li> <li>-May be requested to be part of any of the project/construction teams and to perform other duties;</li> <li>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li> </ul>
<b>Measures of effectiveness</b>	<ul style="list-style-type: none"> <li>-Reports to the Head of the Hot Cell and Radwaste Section;</li> <li>-In response to requests from the Director-General or Plant Engineering Department Head, or proactively, informs the Director-General or Plant Engineering 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.</li> <li>-Complete the design activities and procurement in a timely manner and within the defined cost;</li> <li>-Enhance the system performance or reduce the system costs while keeping the technical, quality and safety requirements;</li> <li>-Provide efficient and timely support to the Remote Handling and Radioactive Materials Division integration activities.</li> </ul>
	Project Construction Phase SAP Id: 50000648
<b>Level of study</b>	Master or equivalent degree
<b>Diploma</b>	Nuclear / mechanical engineering field
<b>Level of experience</b>	At least 8 years
<b>Technical experience/knowledge</b>	<ul style="list-style-type: none"> <li>-Expert knowledge and practical experience in design of nuclear facilities, mechanical systems and process equipment in nuclear environments, radiation protection or remote handling fields.</li> <li>-Extensive experience in similar jobs (involving similar</li> </ul>

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work 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
<b>Specific skills</b>	Ansys CATIA Computer Aided Design MS Office standard (Word, Excel, PowerPoint, Outlook)
<b>General skills</b>	-At least 8 years of experience in complex and multidisciplinary projects in the field of nuclear engineering, international experience would be an advantage; -Significant experience in the field of Waste Management facility or Hot Cells Design and/or Radwaste Processing; -Significant experience in the integration and procurement of large and complex systems an facilities; -Qualified with extensive experience in using CAD systems ( CATIAAVEVA) as well as extensive knowledge of Computer Codes to perform mechanical / structural / thermal-hydraulic design ( ANSYS, GTSTRUDL, CAESAR, RELAP); -Experience in project and contract management.
<b>Others</b>	-Ability to negotiate with influence and convince internal and external stakeholders, -It is considered an advantage to know French language at working level.
<b>Languages</b>	English (Fluent)

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