Ref. IO1849 - 6/8/2017

Hot Cell Nuclear Engineer - PED-112

Main Job Nuclear Power

Department PED / Plant Engineering Department

Division PED / Remote Handling & Radioactive Materials Division

Section PED/ RHRM/ Hot Cell & Rad-waste Section

Job Family Engineer - 2

Application Deadline (MM/DD/YYYY) 07/30/2017

Grade P3

Direct employment Not required

Purpose 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.

Main duties / Responsibilities -Ensures the performance of the Hot Cell Complex (HCC) as a nuclear facility that fulfills the ITER maintenance requirements and the safety requirements;
-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.
-Works directly for the ITER Hot Cell Complex assembly, installation, commissioning and operation of the ITER Hot Cell Complex;
-Establishes and updates the configuration related to the design, interfaces, procurement, assembly, commissioning and operation technical documentation for the Hot Cell Complex;
-Participates in R&D, design, integration, safety, procurement, assembly and installation, Commissioning & Operation of the ITER Radwaste Treatment and Storage systems and the ITER Hot Cell Remote Handling Systems;
-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;
-Supports the licensing activities in close collaboration with the Safety Department;
-Performs other duties in support of the project schedule;
-May be requested to be part of any of the project/construction teams and to perform other duties;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Measures of effectiveness -Reports to the Head of the Hot Cell and Radwaste Section;
-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.

Level of study Master or equivalent degree

Diploma Nuclear / mechanical engineering field

Level of experience At least 8 years

Technical experience/knowledge -Expert knowledge and practical experience in design of nuclear facilities, mechanical systems and process equipment in nuclear environments, radiation protection or remote handling fields.
-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.

Social skills
- Ability to work effectively in a multi-cultural environment
- Ability to work in a team and to promote team spirit

Specific skills
- Ansys
- CATIA
- Computer Aided Design
- MS Office standard (Word, Excel, PowerPoint, Outlook)

General skills
- 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 and facilities;
- Qualified with extensive experience in using CAD systems (CATIA, AVANTEA) 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.

Others
- Ability to negotiate with influence and convince internal and external stakeholders,
- It is considered an advantage to know French language at working level.

Languages
- English (Fluent)

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