

IO1160 Safety Control Systems Engineering Officer CHD-083

Job description

| | |
|--------------------------------|--|
| Main job | Engineering - Control system |
| Title of the position | Safety Control Systems Engineering Officer CHD-083 |
| Job family | Project engineering |
| Grade | P3 |
| Direct employment | Required |
| Purpose | <p>ITER will be equipped with safety control systems distributed throughout 90-120 Plant Systems. These safety control systems are organized in two layers: a local layer implemented by each Plant System and a centralized layer for those combinations of Plant System conditions that require a coordinated action, even though each Plant System may be within its own safe limits. The safety control systems cover both nuclear and conventional risks.</p> <p>The candidate will work with the Central Safety System Responsible Officer and contribute to all activities linked to the nuclear qualification of the Nuclear Safety Control System, to the licensing of this system, to the procurement and commissioning of the central safety systems. Together with the Responsible Officer, he/she will ensure that the Central Safety System meets the project requirements and is delivered on time.</p> <p>He/she will contribute to the functions to implement specifications and also to the interface management for the plant systems.</p> |
| Main duties / Responsibilities | <p>Provides support to Plant Systems for the implementation of the international standards and ITER rules, and for the implementation of the safety functions in the Plant Safety Systems;</p> <p>Contributes to the elaboration of technical specifications and participates in the preparation of the central safety system design reviews;</p> <p>Manages the procurement and the follow-up of contracts for the supervisory control system (SCS) main components' nuclear qualification;</p> <p>Participates in the ITER licensing process for the nuclear Instrumentation & Control (I&C) topics;</p> <p>Contributes to the Procurement and installation of the Central Safety System, including its technical follow-up;</p> <p>Manages the factory and site acceptance tests for the Central Safety System,</p> <p>Contributes to the standalone and integrated commissioning phases for the safety systems;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> |
| Measures of effectiveness | <p>Successfully maintains effective communication with all the interfacing teams of the ITER project;</p> <p>Successfully completes tasks assigned under Main Duties / Responsibilities above.</p> |

Applicant criteria

| | |
|----------------------|--|
| Level of study | Master or higher degree |
| Diploma | Industrial control, Nuclear engineer or relevant |
| Level of experience | At least 8 years |
| Technical experience | <p>At least 8 years' experience in the design and implementation of instrumentation and control systems in the nuclear field;</p> <p>Relevant experience in the design and construction of I&C systems safety (IEC 61513, IEC 61508);</p> <p>Good knowledge of large systems integration;</p> <p>Clear understanding of the problems linked with control systems in large facilities and with the integration of heterogeneous industrial subsystems, is required;</p> <p>Experience in managing contracts;</p> <p>Expertise in international safety I&C standards: IEC61513 for nuclear safety I&C systems, and IEC 61508 for occupational safety I&C systems</p> <p>Experience coordinating teams with different technical backgrounds;</p> <p>Experience providing quality technical and scientific documentation in English.</p> |
| Social skills | Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to organize and monitor activities, Ability to communicate effectively |

| | |
|-----------------|---|
| Languages | English (Working) |
| Specific skills | MS Office standard (Word, Excel, PowerPoint, Outlook) |