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JOB DETAIL

Ref. IO1473 - 11/14/2014

Plant Ctrl&Instrumentation Section Leader CHD-081

Main job	Control system
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Control System Division
Section	CHD / CSD / Plant Control and Instrumentation Section
Job Family	Section Leader
Application Deadline	01/04/2015
Grade	P5
Direct employment	Required
Purpose	To coordinate the activities of the Plant Control and Instrumentation Section; To interface with all other Sections responsible for the procurement, installation and commissioning of plant systems with instrumentation and control; To ensure the integration of these plant systems within the ITER control system, by strong coordination and standardization; To maintain the established instrumentation and control standards; To actively coordinate, monitor and support the instrumentation and control part of the plant system procurements to ensure adherence to those standards and finding technical solutions compatible with integration; To be responsible for the central interlock as well as the central safety systems. Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience; Takes responsibility for the implementation, integration, commissioning, operation and maintenance of the Central Interlock System and the Central Safety System including nuclear and occupational safety; Takes responsibility for managing the collaboration between the Section and the Systems Engineers for the plant systems to ensure the functional requirements are met. Takes responsibility for the integration and commissioning of plant systems instrumentation and control in the central control system;
Main duties / Responsibilities	Manages and monitors contracts supporting the activities of the Section; Establishes good working relations with all external interfaces including other Sections at IO, Domestic Agencies and industry; Maintains standardization documentation; Promotes the standards to be used in the ITER Instrumentation &Control; Interfaces with the ITER Safety Group and Industries involved in the development of the relevant high-security systems; Supports effective risk identification and management; Identifies and initiates actions on interfaces with other ITER Departments/ Directorates/Divisions/Sections; Executes and delivers the Detailed Work Schedule in support of the Strategic Management Plan for scope, budget and schedule of the systems in the Section and contributes to the staffing of the Section Assures that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets; Maximizes human capital and people's commitment to achieving the IO goals; Provides leadership in safety; Builds and maintains relationship with internal and external stakeholders; Performs other duties linked to the above purpose upon management request, as necessary; Maintains a strong commitment to the implementation

	and perpetuation of the ITER Safety Program, values and ethics. Reports to the Control System Division Head; Acts as an interface between the Section & the ITER Line Management; In response to requests from the Director-General and/or CODAC, Heating & Diagnostics (CHD) Director of Directorate, or proactively, informs the DG/ CHD Director of Directorate of any important & urgent issues that cannot be handled by the concerned line management & may jeopardize the achievement of the Project's objectives.
Measures of effectiveness	Develops the procedures to ensure the integration of the plant systems instrumentation and control; Maintains and supports the standards required to achieve integration; Responsible for successful integration of plant system instrumentation and control in the central control system; Develops the manufacturing, installation, integration, commissioning and operation of the Central Interlock System and Central Safety Systems; Prepares technical specifications needed to support the Section's activities; Maintains effective communication will all parties delivering plant systems with instrumentation and control; Responsible for implementation of safety nuclear regulation and other safety standards of the section's work; Responsible for adherence to technical standards. Project Construction Phase ID SAP: 50001526
Level of study	At least Master's Degree or equivalent
Diploma	Science or Engineering or a related discipline
Level of experience	At least 10 years
Technical experience	At least 10 years' experience in an international research or scientific environment; At least 5 years' experience in managing projects for the development of a control system; Experience in integrating, commissioning and operating a large physics facility, preferable a Tokamak; Experience in developing, operating and maintaining large scale Linux based control systems; Experience in developing interlock and safety systems; Experience in successfully leading a control systems group for large physics experiments and also managing its planning and organizing its group activities; Experience in involvement in large collaborations for developing control system (for example, EPICS); Experience in the use of the PCIe standard and modern Ethernet, software and database technologies.
People management experience	At least 5 years
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	At least 5 years' experience in supervising a team; Ability to provide effective leadership for team members; Ability to motivate and develop the team members' skills and experience. Ability to negotiate with influence and convince internal and external stakeholders.
Others	Excellent computer and IT skills are mandatory
Languages	English (Working)

Back

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