

IO1279 CHD-023 Diagnostic Engineer / Physicist

General information

Job category	Standard
Confidential	No
Status	Confirmed
Department	DIP/Directorate for CODAC, Heating & Diagnostics
Division	CHD / Diagnostics Division
Section	CHD/ DD/ In-Vessel Diagnostics Section

Job description

Main job	Engineering - Diagnostics
Title of the position	CHD-023 Diagnostic Engineer / Physicist
Job family	System Engineer - 1
Duration of the contract	5 years
Contractual hours	Full time
Grade	P3
Direct employment	Not required
Supervised by:	Section Leader
Purpose	<p>To develop the design of diagnostic systems for the tokamak.To perform analysis as required.</p> <p>To contribute to the management of scope, schedule and cost of procurement for diagnostic systems and supporting hardware through specified procurement packages and contracts.</p> <p>To support the Section Leader/Division Head in all matters relating to the implementation of ITER diagnostics.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">- Supports for the Diagnostics in all matters related to the implementation of ITER diagnostics;- Develops the design of key diagnostics located in the harsh ITER environment. Potential topics to be addressed include system design, remote-handling, calibration, alignment, testing, and maintenance schemes;- Prepares technical specifications of allocated diagnostic procurement packages;- Follows up the packages interacting with the teams working in the Domestic Agencies (DA) of the ITER partners as necessary;- Specifies and drives on-going diagnostic design and integration activities and updates and integrates these designs;- Develops and uses project engineering tools for the procurement of diagnostic systems;- Prepares for the installation of the diagnostic systems on ITER;- Reports variances on all technical, cost and schedule aspects immediately to the Section Leader/Division Head;- Identifies and proposes solutions to manage effectively risks for the in-vessel systems;- Manages the change control process for his/her scope of work and communicates changes to the Section Leader/Division Head; Guarantees integration with other technical interfaces;- Supports effective risk identification and management;- Supports IO and DA diagnostic engineering designs and specifications;- Supports and lead the Design Review processes as appropriate;- Maintains related documentation at all times on the ITER Document System and ensure it is updated and in the correct formats;- Performs other duties in support of the project schedule as described in the Detailed Work Schedule or Strategic Management Plan;- 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. <ul style="list-style-type: none">- Reports to In-Vessel Section Leader;- Interfaces with other ITER Technical Directorates, as required;- Collaborates with other organizations within the ITER parties and the wider fusion community;- Interacts with DAs;

Measures of effectiveness	<ul style="list-style-type: none"> - In response to requests from the Director-General and/or Director of CODAC, Heating & Diagnostics, or proactively, informs the DG/ Director of CODAC, Heating & Diagnostics 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.
	<ul style="list-style-type: none"> - Develops designs of allocated diagnostics; - Prepares technical specifications of allocated diagnostics; - Concludes design reviews; - Manages procurement of diagnostics; - Prepares for the installation of the diagnostic systems on ITER; - Develops interfaces of diagnostics with the main Tokamak components; - Liaises effectively with Domestic Agencies and other Directorates at IO; - Complete all work in a timely manner and meet agreed deadlines; - Ensures safety is the main priority at all times. <p>Project Construction Phase. SAP Id : 50000315.</p>

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering or Physics.
Level of experience	At least 5 years
Technical experience	<ul style="list-style-type: none"> - Experience of science/engineering in a high technology field, such as plasma physics, high energy particle physics, fission reactors, space instrumentation; - Familiarity with Ultra High Vacuum (UHV) system requirements; - Familiarity with diagnostics utilizing laser instrumentation, surface physics and/or dust/tritium/erosion measurement would be an advantage; - Familiarity with aspects of electromagnetic engineering would be an advantage.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Demonstrated significant Project Management experience is required.

Origin of the job

Entity	ITER ORGANIZATION
Recruitment reason	Replacement

HR Follow-up

Email alerts	Every 10 applications
Main recruiter in charge	CHOE Hyunejune
Followed by	Aymeric Cassagnes
Alert recipient(s)	CHOE Hyunejune
Publication default start date	2/1/2013
Publication default end date	3/3/2013
Automatic update	No