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JOB DETAIL

Ref. IO1943 - 1/29/2018

Diagnostics I&C Development Officer - TED-164

Main job Diagnostics

Department TED / Tokamak Engineering Department

Division TED / Port Plugs & Diagnostics Integration Division

Job Family Engineer - 2

**Application Deadline
(MM/DD/YYYY)** 03/13/2018

Grade P3

Direct employment Not required

Purpose To develop Instrumentation & Control (I&C) and support officers responsible for diagnostics supplied by the ITER Organization (IO) and Domestic Agencies (DAs) in all matters related to the plant I&C for these diagnostics. This covers all lifecycles from requirements capture, detailed design, manufacturing, and acceptance testing. To ensure that the quality of the plant I&C is adequate for the operation of the tokamak in collaboration with plant I&C integrators.

Main duties / Responsibilities

- Develops the I&C for the IO based Diagnostics;
- Supports the I&C development in the Domestic Agencies;
- Reviews Documentation provided by the DAs and provides feedback and support the designs;
- Supports the commissioning preparation activities;
- Supports and contributes to relevant integration activities;
- Specifies and oversees the creation and updates of relevant diagrams;
- Updates and takes through review all relevant supporting engineering documents;
- Supports or leads the Design Review processes, as appropriate;
- Prepares technical specifications in support of procurement actions;
- Ensures required maturity for plant I&C design in terms of requirements, procedures, Human Machine Interface, Functions, Variables, Architecture, Signals, Cubicle Configuration and Automation;
- Supports procurement activities of relevant components;
- Collaborates efficiently with Constriction Organization on assembly of the systems;
- Checks and maintains relevant ITER databases;
- Maintains communication with other organizations within the ITER collaboration and the fusion community;
- Supports assembly and construction activities to ensure a smooth implementation of the I&C;
- May be required to work outside normal working hours, including nights, weekends and public holidays;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Measures of effectiveness

- Reports to Port Plugs and Diagnostics Division Head;
- Interacts with DAs and other IO technical and functional departments;
- In response to requests from the Director-General (DG) and/or Tokamak Engineering Department (TED) Head or proactively, informs the DG/ TED 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.

- Work packages completed to agreed deadlines;
- Developed and approved Design documentation, plans and databases;
- Developed and approved technical documentation for procurement;
- Developed and approved installation and commissioning plans;
- Successful collaboration with technical partners in Domestic Agencies and other IO Departments/Offices;
- Efficient work at all times with other Diagnostics team members.

Project Construction Phase

My space



See jobs

My job alert

Level of study	Master or equivalent degree
Diploma	Engineering or applied physics field or other
Level of experience	At least 8 years
Technical experience/knowledge	<ul style="list-style-type: none"> -At least 8 years' experience in the field of Diagnostic Engineering (including 2 in Project Engineering); -Operational experience in a nuclear-relevant field; -Experience with diagnostics and instrumentation of large scale facilities; -Organization and design defense lead in relevant design reviews; -Familiarity with recognized I&C design codes and standards; -Experience in writing reports and reviewing technical specifications; -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	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	-Coding experience and I&C relevant software.
Languages	English (Fluent)

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