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JOB DETAIL

Ref. IO1796 - 11/26/2016

Process Engineer for Commissioning - TCWS-034

Main job	Control system
Department	PED / Plant Engineering Department
Division	PED / Tokamak Cooling Water System Division
Section	PED / TCWS / Tokamak Cooling Water System Design Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	12/29/2016
Grade	P2
Direct employment	Required
Purpose	<p>-To issue and review documents related to the Process Final Design of the Tokamak Cooling Water System (TCWS), in strict collaboration with I&C and layout integration teams.</p> <p>-To issue documents related for the test and commissioning of TCWS Systems and Components.</p> <p>-To participate in the material procurement for TCWS.</p> <p>-To participate in the testing of the TCWS piping and equipment after manufacturing and according to the relevant Factory Acceptance Tests (FAT).</p>
Main duties / Responsibilities	<p>-Finalizes the process design of the TCWS making sure that clients' requirements are satisfied and the system is well integrated in the plant;</p> <p>-Ensures that TCWS design includes the appropriate features for testing and commission of sub-systems and components;</p> <p>-Issues needed documentation for the commissioning of TCWS, e. g. commissioning plans, commissioning procedures, etc. taking into account client requirements as well as availability of suppliers. Participates in the integrated commissioning definition by developing commissioning plans and procedures to perform integrated commissioning tests;</p> <p>-Supports the integration of TCWS with its clients in commissioning identifying possible corrective actions during the process;</p> <p>-Support the TCWS Division in the procurement of valves, supports and piping as well as other components;</p> <p>-Participates to the finalization of the TCWS functional analyses, considering the requirements during testing and commissioning of all the TCWS systems;</p> <p>-Performs the work in strict collaboration with the I&C and layout integration teams to ensure that TCWS process design is well integrated within the I&C design and that the layout of the TCWS satisfies process requirements;</p> <p>-Performs the work in collaboration with Safety Department to ensure that safety requirements are respected in the process design of TCWS and are well taken into account in the TCWS testing and commissioning;</p> <p>-Participates in the manufacturing of TCWS equipment; namely to attend to the Factory Acceptance Tests (FAT);</p> <p>-Performs other duties in support of the project schedule;</p> <p>-Performs other duties linked to the above purpose;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to the Tokamak Cooling Water System Design Section Leader;</p> <p>-Acts as an interface with other internal and external resources/clients/suppliers for the design of the Tokamak Cooling Water System components;</p>
Measures of effectiveness	<p>-In response to requests from the Director-General and/or Plant Engineering Department (PED) Director, or proactively, informs the DG/ PED Director 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.</p>

My space



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My job alert

- Produces reports for testing and commissioning of TCWS Systems in a timely manner;
- Produces and/or checks the time schedules for both the stand alone and the integrated testing and commissioning of the TCWS Systems in a timely manner;
- Produces testing/commissioning reports on time and with a high quality standard.
- Ensures the satisfaction of safety and functional thermal hydraulic requirements during the testing/commissioning phases.
- Produces documentation to support TCWS procurement in a timely manner and with a high quality standard.

Project Construction Phase

Level of study	Master or equivalent degree
Diploma	Mechanical Engineering or equivalent
Level of experience	At least 5 years
Technical experience/knowledge	<div>-Master Degree in Nuclear or Mechanical Engineering or equivalent;</div> <div>-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.</div> <div>-At least 5 years' experience of testing and commissioning of cooling systems for Nuclear facilities;</div> <div>-Basic experience in System Engineering of complex Nuclear projects;</div> <div>-Basic experience in the design , procurement and installation of cooling systems;</div> <div>-Basic Project Management experience is required.</div>
Social skills	<div>Ability to work effectively in a multi-cultural environment</div> <div>Ability to work in a team and to promote team spirit</div>
Specific skills	<div>CATIA</div> <div>MS Office standard (Word, Excel, PowerPoint, Outlook)</div>
Others	<div>-Knowledge of MS Office standard (Word, Excel, PowerPoint, Outlook) is required;</div> <div>-Knowledge of 2D-3D CAD software (AVEVA PDMS or Catia and See-Visio) is appreciated.</div>
Languages	English (Fluent)