Cryoplant Responsible Officer - PED-134

Main Job: Cryogenics

Department: PED / Plant Engineering Department
Division: PED / Cooling Systems Engineering Division
Section: PED / CSED / Cryogenic System Section
Job Family: Coordinating Engineer

Application Deadline: 07/30/2017
Grade: P4

Direct employment: Not required

Purpose:
To lead the technical surveillance activity of the cryoplant facility design, construction, installation, test, commissioning and operation.
To assist the system design authority to fulfill the functions of design, installation and commissioning of the cryoplant facility, comprising the LHHe and LN2 cryoplants, the 80 K helium loop units, the helium and nitrogen storage systems, the dryer and the gas recovery and purification systems.

Main duties / Responsibilities:
- Coordinates the cryoplant facility design, construction and operation in close collaboration with the users, the Building, the services and the involved Domestic Agencies (DA's);
- Is responsible for the cryoplant facility integration activities;
- Implements the Quality Control (QC) activities for the cryoplant systems;
- Is responsible for the definition and execution of the technical surveillance program to build, test and commission the cryoplant facility;
- Is responsible for the analysis and specification of spare parts and maintenance requirements for the cryoplants and auxiliary systems;
- Is responsible for configuration management for the cryogenic system;
- Coordinates the assembly-integration & tests and planning for the cryogenic system;
- Acts as an interface with cryoplant manufacturer; with building and utilities required for the cryoplant operation; with Tokamak operation; with other system for the definition of the requirements and operating modes of the cryoplants;
- May be required to work outside normal working hours, including nights, weekends and public holidays;
- Performs 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.

- Reports to the Cryogenic System Section Leader;
- In response to requests from the Director-General and/or Department Head PED, or proactively, informs the DG/ Department Head, PED 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.

Measures of effectiveness:
- Implements and follows the technical surveillance plan during installation and commissioning phase of the cryoplant;
- Coordinates and integrates the systems in the cryoplant facility;
- Manages interfaces between cryoplant systems, the cryogenic users and the required utilities;
- Manages plans for installation, test and commissioning;
- Maintains effective communication with all parties delivering subsystems.

Level of study: Master or equivalent degree
Diploma: Mechanical, process engineering or equivalent
Level of experience: At least 10 years
Technical experience/knowledge:
- At least 10 years' experience in the development, testing and commissioning cryogenic plant systems;
- Significant experience and knowledge in engineering of cryoplant – process plant design, manufacturing, testing and operation;
- Experience in industrially proven cryogenic and large rotating machinery equipment in world market, including liquid helium and nitrogen plants, purification/dryer systems, gas storage and compressors;
- Experience in designing code and standards of experimental cryogenic equipment;
- Experience in process engineering and analysis of operating modes for cryoplants and large cryogenic distribution system;
- Extensive experience in technical staff supervision and coordination;
- 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;
- Project Management experience is required.

Social skills
Ability to work effectively in a multi-cultural environment
Ability to work in a team and to promote team spirit
Ability to communicate effectively

Specific skills
CATIA
Computer Aided Design
ENOVIA
MS Office standard (Word, Excel, PowerPoint, Outlook)

Others
Excellent computer and IT skills, consistent with a complex developmental project, are mandatory.

Languages
English (Fluent)

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