

Magnet Superconducting Auxiliaries Support Technician

TKM-097

Reports to Line Manager:	Superconductor Systems and Auxiliaries Section Leader, Magnet Division, Tokamak Department	Job Code:	TKM-097
Direct Employment:	Required	Grade:	G4

Purpose

To work under the supervision of a professional magnet engineer;
To assist in developing magnet feeder designs, integrating feeders with the coils, monitoring feeder manufacturing and maintaining feeder technical documentation.

Major Duties/Responsibilities

china

eu

india

japan

korea

ru^ssia

usa

- Assists in the preparation and updating of feeder design, procurement and quality control documentation (design descriptions, interface control documents, procurement and quality control documents, etc.);
- Participates in feeder design activities (developing detailed designs, validating designs with the help of analysis experts, making and checking feeder drawings, checking interfaces between the magnets and external interfaces with cryostat and assembly);
- Contributes to monitoring feeder procurement and assembly activities (visits to production facilities, processing of deviation requests, assessment of quality control reports);
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Qualifications and Experience

- Education:**
 - Degree at least equivalent to 2-4 years of study after the High School Diploma, in Mechanical Engineering or other related discipline.
- Technical & Project experience:**
 - At least 5 years' experience as a technical designer or project engineer in a large multi-disciplinary project or institute;
 - Experience with cryogenic engineering;
 - Experience with high voltage systems;
 - Experience with mechanical design and the preparation of engineering drawings;
 - Demonstrated ability to write high quality technical reports.
- Social Skills:**
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.

- ***Language requirements:***
 - Fluent in English (written and spoken).
- ***Computer and IT skills:***
 - Familiarity with Windows based office programs;
 - Familiar with CAD systems.

Direct Supervisor and Interfaces

- Reports to the Superconductor Systems and Auxiliaries Section Leader;
- Interfaces and contributes to work in other Magnet Division Sections, as required.

Authority / Approval Levels

This position has authority and approval levels generally defined by the DDG for the Tokamak Department for his/her scope of work.

Measures of Effectiveness

- Provides efficient and high quality service to the Magnet Division's members;
- Acts in a collaborative manner with all members of the Division and with other ITER Divisions and Departments.