



Job Description n° _____

Company: TechnipFMC Italy (TPIT)

Job Title: Electrical Engineer

Location: TPITFMC Rome – Engineering Department - Electrical Section

Short Job Summary:

The candidate will work in the Electrical Section of Engineering Department (Ele).
Electrical Section is in charge of the proposal, engineering design, procurement activities.

The candidate will be assigned to a project team and tutored by Electrical Project Leader that will ensure, together with Electrical Section Head, a progressive growth in technical design and management skills.

The candidate will be involved in one or more of the following engineering activities:

- Electrical network definition and detailed design
- Electrical calculations.
- Electrical Data Base management
- Power distribution system definition and detailed design
- Bulk material definition and detailed design

Reporting Line:

- Hierarchically reports to the Electrical Section Head
- Key interactions are with;
 - Internally: Project teams, Procurement dept. Construction dept., Engineering dept., Planning dept., others engineering disciplines.
 - Externally: clients, vendors, suppliers.

The activities in which the candidate will be involved will include but will not be limited to:

- Technical specifications preparation (Transformers, Switchgears, Cables, Motors, etc.)
- perform the electrical calculations including Load Flow, Short Circuit, Harmonic Analysis and Transient Stability using dedicated software (Etap).
- Participation to the development of the plant One Line Diagrams on the basis of the performed calculations.
- Collaboration to prepare and develop the electrical Switchgears schematic diagrams.
- Coordinate the interfaces with mechanical engineering department for the management of relevant electrical devices.

- Review and approve vendor documents for incorporation into the design and co-ordination with other disciplines.
- Participation to the preparation of Lighting, Power and Grounding Layout; Mounting Details; Cable Routing and Bulk Material Take Off.
- Design of the Electrical Substation.

Requirements:

Must have:

- Master Engineering Degree in Electrical Engineering
- knowledge of English
- Computer literate
- Capability to perform its work on time with the required quality level
- Communication skills, team spirit, self-motivation