Professional engineer/Senior Electrical Engineer for HV/MV Substation

The incumbent can look forward to projects such as HV and MV substations for the private industrial sector (145kV and 36/24/12/7.2kV:) and be accountable to lead and provide design activities in accordance with applicable codes and standards, including corporate's policies and procedures. Primary & Secondary Engineering documents of distribution Substations & Electrical Balance of Plant for Power plant. Design, Calculations, And Analysis on ETAP (Electrical), for load flow, short circuit and power system analysis.

The appropriately qualified applicant will be able to demonstrate an established career in Electrical Engineering specific to Transmission and Substation. The incumbent is responsible for the support of sales on engineering basic design such as preparation of conceptual designs, estimates and project proposals for our potential customers. Position involves complex and technically challenging aspects of substation design including protection and control logic, elementary drawings, wiring diagrams and physical layouts and general arrangements.

Scope Responsibilities:

- Lead projects as assigned and performing conceptual/ detailed design of the complex projects.
- Lead and control performance of the team.
- Carry out review, analyze and execute complex technical studies and project scopes.
- Develop and review technical specifications, calculations, drawings and standards of equipment and systems with leading the Team. (e.g. Design criteria, Design concept drawings. Single line diagram P'ry & S'ry, functional diagram including protection & metering system, relay coordination study, grounding system study, substation equipment layout, AC/DC/UPS Aux. system design calc. sizing, distribution system, cable sizing & selection, etc).
- Develop the quotation of Electrical Equipment & systems as requested by Other Oversea Sale Companies.
- Perform equipment sizing and selection, including bid evaluation.
- Perform power system studies e.g. load flow, short circuit, relay setting & coordination study.
- Review the design basis memorandum, detailed engineering scope and guide the assigned discipline engineers to align the engineering deliverables according to project requirements. Also approves technical documentation.
- Site surveys for data gathering for designing as required.
- Witness shop inspection and factory acceptance test (FAT).
- Site supporting engineer during construction, erection, testing & commissioning phase as required.

- Maintain good working relationships with internal groups that support the project.
- Liaise with departments, clients, vendors, subcontractors and third parties.
- Work with procurement departments to identify quality Vendors
- Organize and participate in inter-disciplines, our group companies, client and vendor meetings for PJ order receiving.
- Must be able to develop strong relationships and accounts with clients.
- Leadership capabilities in mentoring and assisting junior-level engineers in project tasks.
- Ability to work effectively as a member of an interdisciplinary team and independently as required.
- Travel to overseas countries as required.
- Be responsible for man-hour & schedule monitoring; control & quality of works.

Qualification Requirements:

- Bachelor's degree or higher in Electrical Engineering or other relevant technical education is required.
- Possess Professional Engineering License (Electrical Power) from Engineering Council of Thailand.
- A minimum of 15 to 20 years' experience primarily in modern power system engineering, power system protection and control, and distribution substation system engineering design.
- Knowledge of engineering software such as AutoCAD, ETAP, etc.
- Knowledge in industrial codes and standards such as IEC, ANSI/IEEE, including knowledge of regulations of Thailand Grid Code.
- A high level of interpersonal communication skills.
- Fluent in Thai and English, both spoken and written skills
- Thai Nationality