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**POSITION:** Electric Power Engineer

**REPORTS TO:** Director of Engineering

**SUMMARY:** Turbosteam has an exciting opportunity for an experienced Electrical Engineer to lead the electrical design of steam-turbine based cogeneration systems including component selection, interface with surrounding electrical networks and coordination with local utility requirements

**DUTIES AND RESPONSIBILITIES:**

- Specifying and ordering system components.
- Design of on-skid electrical systems including but not limited to:
  - Specification and ordering of generators, switchgear, protective relays and electrical control components & devices (up to 10 MW nominal generator output)
  - Preparation of electrical drawings (single line diagrams, three-line diagrams, schematics, wiring diagrams and physical arrangement drawings).
  - Electrical connections to rotating mechanical equipment, air, cooling and lubrication systems
  - Establish generator protection design settings
  - Provide grounding requirements
  - Perform electrical design calculations
- Design of electrical interfaces between Turbosteam scope and customer facility including but not limited to:
  - Design for consistency with plant single and three-line diagrams
  - Design for consistency with local utility interconnection requirements and relevant electrical code
- Equipment, component and system inspection, testing and quality control
- Preparation of operations and maintenance manuals.
- Preparation of electrical portion of proposals.

**POSITION REQUIREMENTS:**

- BS in electrical engineering.
- Minimum of 5 years experience in industrial electric power system design & associated calculations, including medium voltage.
- Strong, demonstrated command of the fundamental principals and theory of electrical engineering.
- Experience with projects having a lifecycle greater than 3 months and requiring the management of multiple internal and external resources.
- PE license
- Excellent technical and analytical ability.
- Proficient in AutoCAD or equivalent
- Excellent interpersonal skills and ability to work cooperatively in a project team.
- Organized, attention to detail.
- Must be able to prioritize effectively, and juggle a variety of tasks simultaneously.
- Moderate travel required