

Electrical Engineer



Department:

Operations

Immediate Supervisor:

Director of Engineering and Design

Location:

Houston, Midland or Clyde Texas

Job Description:

Provide electrical engineering for multiple projects at one time. Must be able to lead and execute detailed electrical engineering, work well as a member of a team, give instructions to electrical designers, meet client expectations, and deliver projects by given deadlines.

Position Duties/Responsibilities:

- Deliver electrical engineering expertise to support the design of electrical design packages and RFQ packages with on-time delivery to client.
- Research, understand and apply applicable codes, standards, and regulations from NEC, API, IEEE, ANSI, NFPA, etc.
- Conduct power system studies such as arc flash, load flow, and short circuit analysis using ETAP and SKM.
- Generate electrical design deliverables such as cable tray, grounding, and lighting plans, one-line diagrams, motor schematics, relay settings, area classification, UPS design, cable schedules, and any other electrical designs as required by the client.
- Analyze specifications and review the installation requirements for various pieces of electrical equipment.
- Perform quality control reviews on client deliverables.
- Collaborate daily with engineers, designers, and project managers on project status, designs, and processes.
- Ensure that installations and applications are in accordance with clients' needs and safety standards.

Qualifications:

- Professional Engineer (PE) license
- Bachelor's degree in electrical engineering, or related field.
- Four (4) + years related experience required.
- Knowledge and experience with medium/low voltage power, motor starters, VFDs, transformers, and related electrical equipment.
- Experience with instrumentation and control systems a "plus."
- Intermediate to Expert skills in Excel
- Excellent verbal and written communication skills and the ability to conduct meetings and presentations.
- Excellent time management skills with a proven ability to meet deadlines.
- Strong analytical and critical thinking skills with quick responses to current issues.
- Ability to work on multiple projects at one time, prioritize tasks, and delegate when appropriate.
- Valid driver's license

Work Authorization:

- HPF Consultants is not currently sponsoring employment visas for this position.

Physical Requirements:

- Prolonged periods of sitting at a desk and working on a computer.
- Must be able to sit, stoop, prolonged walking during field trips.
- Must be able to lift fifteen pounds at times.

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