



Job Posting

Position:

Electrical Engineer

PET Systems (PTS) is currently recruiting an Electrical Engineer to join our team. We are seeking a candidate who is motivated, well organized, collaborative, and eager to learn power distribution system design in the food and beverage light industrial sector.

Company Overview:

PTS is a multi-discipline engineering firm well established in the Food & Beverage and Bulk Material Handling (Industrial) Industries. We are a close-knit group of like-minded engineers and designers who value our unique culture where everyone "rows the boat." We keep overhead low and focus on small, tactical teams of engineers solving problems for our clients while completing all sizes of projects. We are an employee-owned company who can offer a path to ownership for outstanding contributors. PTS prides itself for being on the cutting edge of design technology using the latest software and design techniques to become more efficient and accurate. Our quality and flexibility have elevated us with our ever-growing existing customers. This has generated strong repeat business and an expanding customer base which has afforded our continued growth.

Requirements / Responsibilities:

- Must be willing and able to travel as necessary for project requirements.
- Efficiently manage all facets of a project from initial project quotation through final project closing.
- Drive positive customer satisfaction related to project work performed by he/her as a representative of PET Systems.
- Meet targets associated with assigned projects including budgeted billable hours, project expenses, resource utilization, timelines, etc.
- Participate in driving best business practices in order to improve overall company performance and profitability.
- Process oversight to ensure that company guidelines are adhered to during all phases of his/her project.
- Must maintain professional competence, ethical integrity, knowledge, and skills.
- Handles sensitive and proprietary information in a confidential manner.
- Ability to work independently within parameters set by management. Assignments may be self-initiated. Determines and pursues courses of action necessary to obtain desired results.
- Excellent verbal and written communication skills. Strong presentation skills. Leads group discussions.
- Working directly with contractors, equipment vendors, and customers to assure quality of installation and successful start-up and operation.
- Equally comfortable crossing between systems design in the office and hands-on troubleshooting/systems start up in the field



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Skills / Qualifications: The below skills are examples of what an Electrical Engineer should expect to learn and perform at PTS. It is not an expectation that the candidate currently possesses these skills. The only requirement is an eagerness to learn.

- Electrical Engineers at PTS will “own” a power distribution project from start to finish. The engineer is not a “cog in a wheel”. Electrical Engineers will:
 - Build a panel and switchboard layout in a plant.
 - Design the power distribution switchgear and panels.
 - Design all the power feeds to required facility production and support equipment, including underground conduit plans.
 - Design the cable tray system to feed power to the needed areas of the plant.
 - Design motor control centers to feed utility and water process pumps.
 - Write scopes of work so that the bidding electrical contractors fully comprehend the required electrical scope.
 - Be very “customer facing”. They will present designs to the client, attend onsite bid meetings and construction visits, and be the face of the company if there is an issue onsite that needs attention.
- Electrical Engineers shall be proficient at generating power distribution switchboard, panel design drawings, and facility power distribution layouts utilizing AutoCAD MEP and/or AutoCAD Electrical. Power distribution panel design includes generating single lines, layout drawings, and bill of material specification and scope documents for bidding purposes.
- Electrical Engineers shall be knowledgeable in UL508A and the NEC. Design work and drawings shall adhere to both UL508A and the NEC.
- Electrical Engineers shall be knowledgeable in EasyPower, SKM, and ETAP for the purposes of conducting and performing arflash and breaker coordination studies at new and existing facilities. More experienced engineers will conduct site audits of existing facilities to update and renew arflash/breaker coordination studies.
- Electrical Engineers shall generate Requests for Proposal for power distribution related equipment and be able to scrub received proposals highlighting any technical deviations.
- Electrical Engineers shall conduct onsite construction visits to verify proper installation specifications and methods are being followed onsite as well as answer questions from the clients and electrical contractors.
- Electrical Engineers shall coordinate with utility, water process, mechanical, and controls design engineers to fully understand the plant system design, perform deconflict meetings to make sure there are no equipment clashes, and to ensure all the required process plant equipment is receiving an engineered power distribution drop.

Education:

Bachelor's degree in Electrical Engineering, Computer Engineering, Electrical Engineering Technology, or Mechatronics preferred. Other related degrees or experience will be considered.

Resume Submittal:

All resumes should be submitted to careers@petsystems.com with the subject line: “Electrical Engineer”.