

ELECTRICAL DESIGN ENGINEER

Job Details

Pay: \$100k+ a year, based on experience

Schedule: Flexible

Job Type: Full-time

Location: Preferably Lorain, OH 5065 Oberlin Ave., Lorain, OH 44053

Or Mansfield, OH 52 N. Diamond St., Mansfield, OH 44902

Description

K.E. McCartney & Associates, Inc. (KEM) has been engineering infrastructure solutions since 1978. Over this period, a heavy emphasis has been placed on water/wastewater collection and treatment, transportation planning and design, stormwater management, site development, land planning, grant coordination, construction administration and observation, and the full spectrum of surveying services including 3D scanning and GIS mapping. KEM's mission is to provide quality civil engineering and surveying services that exceed client expectations by prioritizing clear communication during project development. KEM leads the profession by offering innovative solutions, staying on top of technological advancements, and investing in the continuing education of our staff. At KEM we strive to make the communities we work in safer and address the evolving environmental needs of our society.

Your Opportunity

Our engineering team is looking for an Electrical Design Engineer / Project Manager. You will have the opportunity to manage electrical design projects and also be a team member of larger design projects for water/wastewater treatment, pumping stations, and assistance with electrical construction inspection. You will provide all aspects of evaluating, selecting, specifying, and engineering certain electrical power, lighting, backup power systems, and instrumentation and controls for a project verifying compliance with applicable codes and internal engineering standards / practices. The person in this position will be the foundation for electrical engineering services at KEM with opportunity for growth and expansion.

Responsibilities

- Development of design through sketches, electronic models, diagrams, etc.
- Utilize AutoCAD and/or Revit for development of project plans for certain project types that may include single line diagrams, schematics, P&ID's, etc.
- Prepare and revise documentation in various project phases including site plans, diagrams, and details.
- Coordinate with other disciplines to ensure compatibility with the design intent.
- Provide review of shop drawings and submittals, responds to RFIs, prepares site observation reports, and performs other contract administration tasks.
- Development of job specific discipline specifications.
- Evaluation and selection of electrical systems and materials.
- Attend project coordination meetings with internal team members and/or external consultants.

- Participate in value engineering and basic cost estimating.
- Apply technical expertise to meet project requirements within project timeframes and budget.
- Foster existing client relationships and proactively pursues opportunities for new business.

Capabilities

- Thorough understanding of electrical and instrumentation engineering concepts and ability to effectively communicate ideas to others.
- Experience in the construction industry and/or in-depth knowledge of construction processes.
- Ability to manage individual projects and also be part of a project team with ability to participate and collaborate in project team setting.
- Knowledge of applicable codes and standards.
- Solid understanding and knowledge of power distribution systems, lighting systems, and instrumentation and controls.
- Strong client communication and interpersonal skills.
- Recognizes when technical problems are developing and initiates appropriate corrective actions.
- Ability to check own work for accuracy and completeness and manage time to meet project budget and schedule.
- Requires understanding of Microsoft Office Suite, AutoCAD and/or Revit or other applicable software.
- Typical office environment working with computers and remaining sedentary for long periods of time.
- Field work may include exposure to the elements including inclement weather.

Education and Experience

- Bachelor's degree or equivalent in Electrical Engineering with 4+ years of experience.
- Ohio Professional Engineer's license REQUIRED.