

Electrical Systems Designer/Estimator

AEC Industrial Solutions designs and integrates world class Automation, Electrical & Control solutions. AEC has a committed well-trained staff dedicated to providing custom solutions, and partners with top tier manufacturers of industrial automation and control equipment. AEC provides a variety of services, from CSA approved control and VFD panels, to maintenance and service of existing construction and process equipment.

The Electrical Systems Designer / Estimator will be responsible for: design, draft and prepare estimates for electrical panels and control systems related to VFD's, motor controls, lift station controls, electric motor & pump packages, panels and solutions. Direct interaction with clients and AEC team is required.

Duties include, but are not limited to the following:

- Design, procure, test, install and commission control systems for electric motors and pumps
- Draft single line diagrams, electrical schematics, panel layout drawings and cable schedules for electrical panels
- Provide specification and guidance on parts and equipment procurement
- Ensure projects have complete and up to date material lists
- Ensure high manufacturing standards and processes
- Provide quotes, estimates and drawings for Panels and packages
- Complete QA/QC documents provided from Design Manager
- VFD Repair/Troubleshooting
- Ensure best practices in place for streamlining and maximizing manufacturing
- Ensure Products have proper documentation, set up and troubleshooting procedures
- Maintain a clean and organized work environment
- Organize materials for jobs
- Work with suppliers and vendors on streamlining products and inventory
- Provide technical support and resources
- Ensure work is up to code and AEC standards

Competencies (skills, knowledge, experience) – skills/experience listed are an asset but not required for application for this position:

- Electrical engineer technologist or equivalent experience
- AutoCAD / Electrical design software
- Experience designing electrical control panels
- Experience with VFD's and motor controls
- Commissioning / QAQC
- Solid grasp of basic electrical and mechanical systems

- Ability to handle and prioritize multiple tasks; display excellent attention to detail, and willingness and ability to learn new technologies quickly
- Motivated by challenges and innovation, and finding solutions to these challenges
- Excellent reasoning, troubleshooting, and deduction skills
- Works well in both an individual and team setting
- Solid communication skills, both verbal and written (English)

What we offer

- Competitive wages
- Training & mentoring
- Excellent benefits coverage
- Continuous growth through encouraged innovation, challenging projects and a focus on problem solving skills

Send resume to careers@aec.ca with job title in the heading.