



An industry leader for high-tech, automated, environmentally controlled greenhouses, ALPS provides turn-key solutions for facility design, engineering, construction, support, maintenance, security, cultivation and genetics. ALPS also provides consulting and assistance with meeting GACP cultivation and EU GMP certification requirements.

## **ELECTRICAL ENGINEER**

ALPS is looking for an **Electrical Engineer** to work with our Engineering team on various projects. This Engineer will be responsible for aiding the electrical engineering in the Design Team from conception to completion including RFP submissions, concept design, schematic design, design development, contract documentation, specifications, contract administration and construction solutions. The incumbent will report to the Manager, Engineering, and will be responsible for but not limited to the following:

### **MAIN RESPONSIBILITIES**

- Design, develop and test on a variety of electrical engineering assignments that constitute a portion of a larger project
- Responsible to provide single line diagrams as well as distribution solutions and schematics
- Provide consultation on electrical solutions during project construction
- Prepare design and contract documents (reports, drawings and specifications) for electrical systems including raceways, cable sizing, and switchboard design
- Design grow light systems including a combination of LED and HPS fixtures; meeting lighting density and power requirements
- Work with drawings including but not limited to general arrangement drawings, single line diagrams, connection diagrams, wiring diagrams, bill of materials using software packages such as Adobe or AutoCAD
- Develop and test documentation which describes the specific electrical functionality
- Perform root cause analyses to identify problems
- Participate in meetings with vendors and clients to communicate technical information
- Provide recommendations and implement solutions to complex issues; ensures compliance with quality process and standards
- Respond to tender queries regarding tender documents
- Provide support during construction phase to ensure the best possible solution

### **KNOWLEDGE, SKILLS AND ABILITIES**

- Strong knowledge of electrical systems design including power, lighting, fire alarm, communications, and security systems
- Knowledge of the cannabis industry would be considered an asset
- Knowledge in Greenhouse construction is considered an asset
- Ability to coordinate with other disciplines and clients
- Ability to work in a team environment
- Ability to work independently in a fast-paced environment, meet quick deadlines and handle multiple projects



- Organizational skills with the ability to prioritize various tasks and have a flexible approach to assignments

## **EXPERIENCE AND EDUCATION**

- Bachelor's Degree in Electrical Engineering
- P.Eng is considered an asset
- 5+ years experience in the design and construction industry
- Additional credentials (LEED, PMP, RCDD, LC, CLD, IALD, CTS) preferred
- Familiarity with Canadian and International Building Codes and the Canadian Electrical Code as well as reference standards
- Experience working with large vendor teams to aid project coordination
- Experience with construction related services
- Experience managing projects involving multi-disciplinary teams operating in a fast-paced, innovation driven environment

Interested candidates are encouraged to apply with their cover letter and resume to: [hr@alpsmj.com](mailto:hr@alpsmj.com). We would like to thank all applicants for their interest but only those selected for an interview will be contacted.

ALPS is an Equal Opportunity Employer. We are committed to doing business inclusively and accommodate applicants with disabilities. If you require accommodation throughout the recruitment and selection process, please contact our Human Resources Team.