

Senior Electrical Engineer

About the Company

At ESC Engineering we are best known for delivering creative, relevant and impactful solutions to utilities, energy concerns, industrial entities and governmental concerns ranging from high voltage power applications for electric utilities to controls and automation solutions for manufacturing, water/wastewater and oil and gas to name a few. What we enjoy most is also being known for being there year in and year out for our clients, with whom we have an 90% repeat business rate and many long-term partnerships, and for our team for whom we strive to provide long term growth opportunities. We are 100% employee-owned and that culture is a major factor in the long term relationships we build with our clients and with each other. Our core values of *Accountable, Responsive, Experienced, Stable* and *Ownership Mindset* speak to who we are and what we believe. If this sounds like the kind of team you'd like to be part of apply today and let's work together for a bright future.

Position

Senior Electrical Engineer

Location

Fort Collins, CO

Summary Description

We are looking for an individual with varied electrical power design and power systems analysis experience for our electrical Infrastructure Group. Our ideal candidate would bring with them leadership, management and business development experience to continue to grow our electrical infrastructure practice. The right candidate will have the ability to help develop and grow the people, services and market for the group in concert with company objectives. This position comes with the opportunity for an ownership stake and one that is poised for a leadership role in the company as well as the group.

We are flexible with experience background and market exposure. Our ideal candidate will have a mix of experience and relationships in different industries, preferably in some of the markets in which ESC currently works. We will entertain someone that has experience in oil and gas, water/wastewater or manufacturing sectors as those are the primary areas where services are currently provided.

Responsibilities

- Provide exceptional client services with effective and enthusiastic marketing for our Electrical Infrastructure Design related services.
- Provide planning, analytic and design services to clients in the heavy industrial, municipal, commercial and institutional market sectors.
- Work directly with clients and provide services such as:
 - Develop project proposals to include defining work scopes, engineering cost estimates and probable opinion of construction costs.
 - Manage, execute, coordinate and close out electric power design projects within budget.
 - Perform power system studies to include arc flash hazard evaluations, short-circuit studies, protective device coordination, and load-flow analysis.
- Develop standard technical specifications and basic engineering design drawings.
- Review electrical drawings including single line diagrams; 3-line diagrams; wiring/connection diagrams; control schematics; grounding, lighting, and raceway layouts.
- Support construction projects as required with on-site technical support including at the Owner's Engineer's office, the construction job site, as well as any equipment manufacturer's locations as needed.
- Assist in plant start-ups and commissioning activities.
- Work with site and construction personnel to develop and implement small capital projects to improve site electrical systems including providing electrical input for project proposal development.

Qualifications

- Bachelor of Science degree in electrical engineering from an accredited engineering school.
- Licensed Professional engineer by examination.

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- Minimum ten (10) years' work experience related to electrical power systems design in industrial settings such as oil and energy, refineries, manufacturing, mining, etc. as well as institutional and commercial applications.
 - Knowledge of low voltage and medium voltage power distribution principles and related equipment.
 - Experience in developing standard technical specifications and basic engineering design drawings and construction packages.
 - Experience with electrical modeling software and analysis tools such as SKM Power Tools, ETAP, EasyPower and/or Paladin Design Base (Formerly EDSA) in developing models and using results to develop results and recommendations.
 - Understanding of protective device coordination.
 - Knowledge of hazardous area installation requirements.
 - Knowledge of arc flash safety requirements.
 - Knowledge of applicable codes and standards including NEC and NFPA.
 - Knowledge of equipment and facility grounding, lighting, and raceway layout principles and electrical single-line development.
- Demonstrated ability to work and lead with highly technical staff, and manage multiple tasks and objectives.
- Motivated and enthusiastic; good people skills and temperament; drive and ambition to set and reach challenging goals.
- Personality to work with engineering and operational staff of a varied client base.
- Problem-solving and client service orientation.
- Self-starter with excellent communication skills, both verbal and written to communicate effectively with internal team members and external clients.
- Ability to develop, grow and maintain business with both existing and new/identified clients.
- Effective leadership and mentoring skills.
- People-oriented team player.
- Safety-conscious and aware.
- Ability and willingness to travel as needed within the continental U.S. Approximately 15% travel.
- Legally authorized to work permanently in the U.S. without the need for sponsorship (proper identification required).

Desired Qualifications

- Existing business network from which business can be further developed.
- Experience with oil and gas applications.
- Experience with SKM Power Tools.
- Experience with ETAP.
- Experience with EasyPower.
- Experience with Paladin Design Base (Formerly EDSA).

Compensation/Benefits

ESC Engineering offers a competitive compensation package including: medical, dental and vision insurance; 401k and retirement plan contributions; life insurance; Flexible Spending Accounts (FSA) or Health Savings Account (HSA); paid vacation and holidays; and as an employee-owned company stock ownership is made available to all team members with attractive return.

Apply

Send resume, cover letter and any other pertinent information to jobs@thinkesc.com. Along with resume, please provide answers the following questions:

1. What is the last book you read?
2. What do you think are the characteristics of the model team player? Which of the characteristics is the most important in your viewpoint?

ESC Engineering is an Equal Opportunity Employer