

Substation Physical Designer

About the Company

At ESC Engineering we are best known for delivering creative and relevant solutions to utilities, 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 85% 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. 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

Substation Physical Designer

Location

Fort Collins, CO

Responsibilities

- Collaborate with engineers and designers in high and extra high voltage substation design in order to prepare the following: General Arrangement, Electrical Equipment Plans, Section Views (Elevations), Detailed Bills of Material, Lightning Stroke Shielding Plans, Grounding Plans, Conduits, Electrical Connection and Grounding Details, Below Grade Conduit/Raceway Plans, and Control Building Equipment, Cable Tray, Lighting, Grounding Plans and Sections, and AC/DC Schematics.
- Ability to specify and select substation equipment; contribute to substation equipment specifications, proposal development, and project scheduling.
- Other duties include understanding and adhering to client and/or company drafting standards and working individually within a team to complete complex and technically challenging aspects of electric utility substation design.
- Bring potential project-related problems and possible solutions to the attention of the responsible party.
- Other duties as assigned.

Qualifications

- Associate's degree or equivalent technical education or be able to demonstrate 10+ years of on the job technical experience.
- Experience with AutoCAD (version 2016 or newer).
- Understanding of substation equipment and its function.
- Mechanical reasoning skills and attention to detail.
- Self-starter with excellent communication skills, both verbal and written to communicate effectively with internal team members and external clients.
- Motivated and enthusiastic; good people skills and temperament; drive and ambition to set and reach challenging goals.
- Personality to work with engineering and operational personnel at small-to-medium rural cooperatives and small-to-medium municipalities.
- Demonstrated ability to work with highly technical staff and manage multiple tasks and objectives.
- Confident handling of the appropriate software for design purposes.
- People-oriented team player.
- Legally authorized to work permanently in the U.S. without the need for sponsorship (proper identification required).

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Desired Qualifications

- 5+ years' progressive experience in electric utility substation design.
- Experience with MicroStation (V8 or newer) a plus.
- Familiarity with Raster Design and/or Bentley Descartes.
- Ability to produce applicable drawings from rough sketches, notes, vendor drawings, and such.
- Ability to select non-engineered materials (bus, high voltage switches, cable, insulators).
- Ability to provide material take-off lists such as disconnect switches, wire, conduit, HV connectors, and bus supports.
- 3D CAD experience is a plus.
- Ability to visualize Equipment Details, Phase to Ground and Phase to Phase Clearances.
- Familiarity with Raster Design and/or Bentley Descartes.
- Ability to multi-task from project to project.

Compensation/Benefits

ESC Engineering offers a competitive compensation package including: medical, dental and vision insurance; 401k and profit sharing 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.

ESC Engineering is an Equal Opportunity Employer