

Coordinated Power Systems, Inc.

Electrical Power System Study Engineer

Company Description:

Coordinated Power Systems, Inc. (CPSI) is a well-established and growing electrical engineering consulting company. We are a team that has created a thriving growing company, which continues to develop along with the needs of our customers and a steadily evolving industry.

CPSI was started in 1981 to provide electrical power distribution systems analysis for industrial, water treatment, hospital, and commercial facilities. Our services include short circuit, protective device coordination, arc flash, load flow, voltage drop, motor starting, and harmonic studies. We are unique as a consulting engineering company because our efforts are dedicated to providing these study services for new and existing facilities.

Our office culture is cooperative and easy-going. We work individually and as a team. The work environment could be described as a think tank type of collaboration, in which open discussions are supported and input is valued. Personal advancement is highly encouraged and is reflected in the services we provide. Currently we are licensed to work in 43 states. We are continuing to expand into new states. Projects we have worked on include Microsoft, UW River Falls, Harvard University, and LaGuardia Airport terminals, and many more. We are the study provider for Mayo Hospital and Clinics, as well as the preferred study provider for several of our customers.

About the Role:

As an Electrical Power Systems Study Engineer, you'll play a key role in ensuring the safety, reliability, and efficiency of the electrical power systems for our clients' facilities. You'll be responsible for all aspects of power system studies, from data gathering and system modeling to analysis and report generation. You'll collaborate closely with other members of the team to deliver high-quality studies for a variety of clients, including hospitals, universities, waste water treatment plants, commercial property and data centers.

Coordinated Power Systems, Inc. is committed to diversity and inclusion in the workplace. We encourage applications from all qualified candidates regardless of race, ethnicity, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.

Specific responsibilities include:

- ~ Gather required data from the customer through effective communications including email, phone, and video conversations.
- ~ Build and analyze the electrical power system models using SKM PowerTools software. We will provide any training needed for SKM PowerTools.

- ~ Complete comprehensive power system studies, including short circuit, protective device coordination, arc flash, load flow, and more.
- ~ Collaborate with colleagues to ensure project success and knowledge sharing.
- ~ Maintain a strong understanding of electrical power systems concepts through continuous learning.
- ~ Maintain professional and technical knowledge by attending educational workshops, reviewing professional publications, establishing personal networks, participating in professional societies.
- ~ Maintain professional licenses, if appropriate

Skills and Abilities include:

- ~ Bachelor's degree from an ABET accredited institution in electrical engineering or a related engineering field.
- ~ Experience with power system analysis software a plus.
- ~ Strong analytical and problem-solving skills.
- ~ Excellent attention to detail, ability to manage multiple projects and meet deadlines.
- ~ Effective communication and collaboration skills.
- ~ Ability to work independently and as part of a team.
- ~ Have passed the FE or have the intent of passing the FE.

Benefits:

- ~ Competitive salary and benefits package.
- ~ The benefits package includes:
 - 15 PTO days depending on start date.
 - 10 paid holidays, one floating holiday depending on start date.
 - Health Insurance is available on the first day.
 - Employee paid dental and vision insurance is available on the first day.
 - EAP – Employee Assistance Program
 - STD - Short Term Disability, AD&D – Accidental Death and Dismemberment, and Life Insurance
 - HRA – Health Reimbursement Arrangement
 - Employee funded pretax HSA – Health Saving Account
 - Paid Parental Leave
 - Tuition Reimbursement
- ~ Opportunity to work on challenging, diverse, and rewarding projects.
- ~ Collaborative and supportive work environment.
- ~ Professional Development Opportunities include company supported:

- attendance at seminars.
- study and testing fee for PE licensure.
- membership in professional organizations.
- ~ Monthly team lunches and quarterly team building events.
- ~ Potential for a hybrid work environment.
- ~ A wellness program is available.

What your path will look like if you join CPSI.

- You will join the Project Intake Team for the first six to nine months. This will enable you to learn how we create a study from the start of creating a one line, to gathering data, to creating the foundational pieces of the study.
- After nine to twelve months, you will move into creating the finished studies with oversight and in collaboration with a PE (Professional Engineer). During this process there will be a feedback loop in place so that you will build on your knowledge and skill. You will be increasing the number of projects you manage and the amount of interaction you have with the customer.
- After your one-year anniversary you will be writing complete studies that you create or that you collaborate with others on to complete. If you would like to pursue your PE license CPSI will support you in the process.