

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 firm. Our team has built a thriving company that evolves alongside our customers' needs and the changing industry landscape.

Founded in 1981, CPSI specializes in electrical power distribution systems analysis for industrial, water treatment, hospital, and commercial facilities. Our services include short circuit studies, protective device coordination, arc flash analysis, load flow, voltage drop, motor starting, and harmonic studies. Unlike many consulting engineering firms, we focus exclusively on providing these study services for both new and existing facilities.

Our office culture is cooperative and easy-going. We value both independent work and teamwork, fostering a think-tank environment where open discussion and input are encouraged. Personal advancement is highly supported and reflected in the quality of our services. CPSI is licensed in 46 states and continues to expand. Our project portfolio includes clients such as Microsoft, UW River Falls, Harvard University, and LaGuardia Airport terminals. We are the study provider for Mayo Hospital and Clinics and are the preferred provider for several other clients.

About the Role:

As an Electrical Power Systems Study Engineer, you will play a key role in ensuring the safety, reliability, and efficiency of our clients' electrical power systems. Responsibilities span the full scope of power system studies, from data collection and system modeling to analysis and report generation. You will work closely with team members to deliver high-quality studies for a diverse client base, including hospitals, universities, wastewater treatment plants, commercial properties, and data centers.

CPSI 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 (email, phone, and video).
- ~ Build and analyze the electrical power system models using SKM PowerTools software (training provided).
- ~ Complete comprehensive power system studies, including short circuit, protective device coordination, arc flash, and load flow analyses.

- ~ Collaborate with colleagues to ensure project success and knowledge sharing.
- ~ Maintain a strong understanding of electrical power systems concepts through continuous learning.
- ~ Attend educational workshops, review professional publications, establish personal networks, and participate in professional societies to maintain professional and technical knowledge.
- ~ Maintain professional licenses, as appropriate

Skills and Abilities:

- ~ 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.
- ~ Passed the FE or intent to do so if you want to pursue the PE.

Benefits:

- ~ Competitive salary and benefits package.
- ~ 15 PTO days (depending on starting date).
- ~ 10 paid holidays, and one floating holiday (depending on starting date).
- ~ Health Insurance available on the first day.
- ~ Employee-paid dental and vision insurance available on the first day.
- ~ Employee Assistance Program (EAP).
- ~ Short Term Disability (STD), Accidental Death and Dismemberment (AD&D), and Life Insurance on the first day.
- ~ Health Reimbursement Arrangement (HRA)
- ~ Employee-funded pre-tax Health Saving Account (HSA)
- ~ Paid Parental Leave
- ~ Tuition Reimbursement
- ~ Opportunities to work on challenging, diverse, and rewarding projects.
- ~ Collaborative and supportive work environment.
- ~ Professional Development Opportunities, including company-supported attendance at seminars, PE licensure study and testing fees, and professional organization memberships.

- ~ Monthly team lunches and quarterly team-building events.
- ~ Potential for a hybrid work environment.

Career Path at CPSI

- **First 6–12 months:** Join the Project Intake Team to learn the study process from creating a one-line diagram and gathering data to building the foundation of a study. Note this is the IB, Initial Builder, role
- **After 12–18 months:** Begin creating finished studies with oversight and collaboration from a Professional Engineer (PE), receiving feedback to build your knowledge and skills. You will gradually take on more projects and increase customer interactions. Note this is the PM, Project Manager, role
- **After 18 months:** Continue to develop your skills and abilities to write complete studies independently and collaboratively. If you wish to pursue your PE license, CPSI will support you throughout the process. Note this is the PE role.