

**Electrical Engineering &
Design****Geo Environmental
Engineering****Resource Application**www.egrengineering.com

EG&R Engineering PC is a fast-growing multi-disciplinary engineering firm located in Cranbury, NJ. EG&R provides electrical, mechanical, environmental and geotechnical engineering services for a variety of markets including government, utilities/power, waste to energy companies, transit agencies, manufacturing industries, pharmaceuticals, A-E firms/Architects, contractors and various types of commercial clients.

EG&R is seeking a **Lead Electrical Engineer** who is self-motivated and ready to contribute to the future success of EG&R Engineering PC. If you are interested in becoming an integral part of our team, please forward your resume to **NamitaB@egrengineering.com**.

Responsibilities:

Main responsibilities include creating electrical protection & control and/or physical layout design deliverables for Power Plants and Substations.

- Prepare electrical schematics, single lines, calculations, and specifications for the design of electrical distribution systems for Power Plants and Substations.
- Supervise and Coordinate Electrical Engineers and Designers in day to day tasks to support project needs.
- Review and support the preparation of physical substation design, sections and details, grounding, lightning protection, control building arrangements, interior and exterior raceways, auxiliary AC/DC power systems, and associated bills of material is required.
- Develop protection and control designs including panel arrangements, one lines/single lines, three lines, AC schematics, DC elementaries, equipment wiring and relay panel wiring as required.
- Prepare calculations for studies and reports (grounding, lighting protection, AC/DC load studies, etc.)
- Prepare equipment specifications for procurement
- Provide short term field support during construction

Qualifications:

- 4 to 8 years of experience in Engineering and Design for Substations and/or Power Plants
- Bachelor of Science/Master's degree in electrical engineering (Power Distribution/Power Systems) from an accredited institution.
- Desire to obtain Engineer-in-Training (EIT) certification and ultimately Professional Engineer (PE) license
- AutoCAD and/or Microstation experience
- Proficiency with National Electrical Safety Code and IEEE / ANSI Standards
- Strong problem solving, organizational, and interpersonal skills.
- Aptitude to work in a team environment
- Excellent written & verbal communication skills
- Strong management skills and a desire to grow professionally
- Capability of solving difficult problems that require adaptation and modification of standard approaches, techniques, procedures and criteria