

Job ID:	296DJ
Job Title:	Senior Electrical Engineer
Degree Requirements:	BSEE minimum
Years of Experience:	7 years
Type of Position:	Direct Hire
Location:	Massachusetts
Salary Range:	TBD
Travel Required:	Yes

Short Description

We are actively searching for an Electrical Engineer that has a strong experience in project support work for electrical systems. This professional must be able to support a team (Engineering Manager, Field Service Manager, and others), and be able to lead projects as needed. This position is required to provide technical support assistance on-site to field service personnel on a project-by-project basis. This support does include emergency service work, which can include evening, weekends, and holiday work.

Responsibilities

- *Perform office duties related to customer projects involving design, installation, testing, repair, and upgrades of power systems
- *Perform analysis, short circuit studies, arc flash analysis; relay coordination studies on electrical power systems
- *Interpret NERC, Northeast Power Coordinating Council (NPCC), and ISO NE requirements related to relay protection and control for electrical systems
- *Prepare interconnection documents for distrusted generation systems
- *Develop one-line, three-line, and other drawings related to studies and design activities
- *Develop specifications for procurement and installation multiple voltage level equipment including switchgear, transformers, cable and termination, capacitors and reactors, protection and control systems, metering and energy management systems
- *Develop and design layouts of electrical utilities, substations, metering, voltage conversion, and protective relaying systems
- *Participate in the project scope development including engineering costs
- *Mentor Field Service Group as needed
- *Provide support in commissioning and testing of equipment
- *Provide engineering review and analysis of final reports

MUST HAVE REQUIREMENTS for this position are:

- *BSEE with a minimum of 7 years of experience in the electrical industry, or a Master's Degree in Electrical Engineering with 5 years of experience
- *PE is preferred
- *Knowledge of NEC, NFPA 70E, NERC, NPCC, ISO standards, and IEEE / ANSI standards
- *Modeling experience of ac utility power systems
- *Experience in the application of protective relaying equipment including control schematics
- *Experience in metering systems and schemes
- *Experience in substation automation, metering, data acquisition

PLUSSES in this position are:

- *Being an independent and team player
- *Good communication skills
- *AutoCAD experience
- *Being able to multitask several projects
- *Knowledge of SKM, Matlab, PLC automation programming, and protective relay setting software

If you meet these requirements and wish to be considered for this position, send your résumé to us in a Word document at Resumes.AT.PinnaclePlacementGroup.com mentioning the **Job ID** and the **Job Title** in the subject line of your email.

In your email or cover letter, please provide us a short narrative detailing your experience and expertise as it applies to this position. Also, please provide us with your *MINIMUM* salary requirements.

KEY WORDS

BSEE, PE, SKM, MATLAB, PLC, AutoCAD, switchgear, relay, capacitor, high voltage, transmission voltage, secondary voltage, metering equipment, power factor correction, NEC, NFPA 70E, NERC, NPCC, ISO standards, IEEE / ANSI, National Grid, NSTAR, Central Maine Power, Southern Company, Westar, GE