

Power Systems Field Engineer

Job #: 802521 **Open Date:** 02/11/2008 **Close Date:**
Business: GE Infrastructure, Energy
Component: Energy Services
Hiring Manager: Christopher Eaves

Location: Albany, Syracuse, New York City,
Long Island, New Jersey.

Qualifications/Requirements:

- * Bachelors degree in Electrical Engineering.
- * 10+ years engineering experience with power distribution systems with 5+ years performing power system studies.

Essential Functions (Responsibilities):

- * Perform power system studies and design activities on industrial electrical power distribution systems such as Stability (Transient & Dynamic), Short Circuit, Coordination, Arc Flash, Load Flow, Motor Starting, Power Factor Correction, Harmonic Analysis, Filter Design and other related studies.
- * Work directly with customers and GE Sales and Service teams to identify study opportunities, develop and issue proposals and execute work scopes.
- * Develop knowledge of ES Terms and Conditions and those of customers and subcontractors, and perform activities so as to minimize risk and assure compliance.
- * Perform on-site work in customer facilities to gather study / design data and perform power system measurements when required.
- * Be knowledgeable of, and conduct work activities in compliance with, the ES Safety Manual and Safety policy.
- * Prepare study / design reports for delivery to customers.
- * Further expand technical knowledge and expertise.

General:

GE Energy's Industrial Services team is a global organization with a 20% growth target for 2007 and beyond. We are a highly skilled services team dedicated to providing our customers enhanced process reliability and operating efficiency by focusing on their systems' complete lifecycle needs. To achieve this, our teams are trained to manage complex projects at each lifecycle stage - process & system design, start-up and commissioning, training, maintenance and upgrades for electrical and mechanical infrastructure systems as well as process equipment and systems.

- * You must be 18 years or older.
- * You must have or be able to obtain a passport and driver's license and be able to travel.
- * You must be willing to take a drug test as part of the selection process.

- * You must have unrestricted authorization to work in the countries in which the position is located and in the U.S.
- * If currently a GE employee, you must have been in your current position for at least 12 months and have at least a satisfactory performance rating.

Desired:

- * Knowledge of power distribution and utilization equipment and application considerations including the various types of switchgear, relays, breakers, transformers, motors, generators including control and excitation and adjustable speed drives. * Thorough PC / Windows 2000 / Office software literacy including the use of Word for report generation and the development of sophisticated engineering calculation spreadsheets in Excel.
- * Willingness to travel occasionally (< 20%). However, most work is office based.
- * Knowledge and awareness of the various software packages (Easy Power, SKM and GE PSEC Software) and specific detailed experience on at least one of the commercially available packages.
- * Knowledge and awareness of relevant international industry standards including IEC, NFPA, NEMA, IEEE, ANSI Standards.
- * Strong Customer Service Orientation.
- * Masters degree in electrical engineering.