

# Field Service Engineer

## Company Overview

**EA Technology is a world leader in products, services, and consulting for enhancing the performance, reliability, safety and cost-efficiency of power networks.**

Our customers include companies involved in electricity transmission, distribution and generation, along with private companies that operate power networks – such as operators of electrical assets in petrochemicals, mining, process engineering, manufacturing, transport infrastructure, and cloud computing data centers. Other customers are companies that provide testing services who purchase and use our equipment. The company offers products that allow customers to determine the condition of their Medium and High Voltage assets quickly and efficiently such as switchgear, cables and terminations, insulators, transformers, and more. These products are straightforward to use and are geared for regular maintenance surveys. Hand-held instruments and full-time 24-hour monitoring systems are available. The collected data can be quickly retrieved and analyzed and compared to previous surveys to determine the overall health or condition of the assets providing useful information to the customers and directly aid in the remediation of assets found to be in poor health or nearing their end of life (EOL).

## JOB SUMMARY

We are seeking a Field Service Electrical Engineer who will perform Partial Discharge field-testing or other condition assessment and training projects in the electric power industry. Locations mainly include utilities, generation plants, and industrial plants in the US and Canada. This person will also provide customer support and training from the home office or in the field for existing and new potential customers.

This individual will initially work on assigned tasks and when up to speed on the products and services show initiative to be able to handle multiple tasks and take on the added responsibility of managing these activities. This individual will perform non-invasive surveys on circuit breakers, cables, accessories, and insulators, generating reports with findings and recommendations. The successful candidate will also be responsible for training customers on the products, both in practical use and the theory of how they operate.

This position will be based in our Denville, NJ office.

## **JOB FUNCTIONS**

- Become and remain knowledgeable with the company's products which include hand-held Partial Discharge (PD) instruments used for surveying MV and HV assets. Become competent in the layout, installation, and configuration of the full-time monitoring systems. Become knowledgeable with the company's other offerings that include tower assessments and transformer oil diagnostics.
- Provide phone, video, and on-site support to customers who are using company supplied equipment in the field or have application questions.
- Provide training on theory and testing to existing and prospective customers.
- Perform PD testing of electric apparatus initially in the Northeast region of the United States. This includes PD testing on circuit breakers, switchgear, switchyards, MV/HV cables and terminations, and generate reports to indicate the overall condition of the assets. When proficient, and, when business demands require, travel to various locations in the US and Canada to provide PD testing services.
- At times assist with the filling of orders for customers. This includes testing instruments and systems and may include assembly of some order line items where required.

## **Job Requirements**

- Travel Required: Approximately 50%. This level can vary due to customer demand. Initial travel requirements will not be this high. We want the successful candidate to become fluent in the products first then advance to provide technical support and training services before going out to the field. Initial trips to do surveys will be accompanied by an experienced engineer.
- Must be comfortable working in outdoor locations which may include inclement weather conditions (some of which are very remote) where high voltage is present (up to 750KV).
- Must pass mandatory safety training and annual refresher courses.
- Must be able to follow the company and customer safety procedures which are very rigid and focused on what to do in case of an emergency.

## **QUALIFICATIONS**

### **EDUCATION:**

Associates or Bachelor's degree in Electrical / Power Engineering or significant life experience in these fields. (minimum 5 years)

### **REQUIRED EXPERIENCE:**

- Experience producing customer reports covering testing methodology, data analysis, results, along with recommendations.
- Experience providing technical support to customers (phone and written).
- Electrical and Mechanical troubleshooting skills.
- Must be able to think on your feet and take a common-sense approach to problem solving equipment and working with customers.
- Must have excellent writing skills and be fluent with the Microsoft suite of products (Word, Excel, and PowerPoint at a minimum) along with the aptitude to learn software products used for condition assessment reporting.
- 1-3 years of experience working in substation, power plants, nuclear facilities, or industrial power systems.
- 1-3 years of experience operating and trouble-shooting test equipment used for MV or HV electrical apparatus tests.

### **PREFERRED EXPERIENCE (Not Required):**

- NETA Technician certification
- PD testing of HV apparatus
- Field service in electrical substations

### **ADDITIONAL REQUIREMENTS:**

- Ability to lift up to 50 pounds, move equipment, climb ladders and work outside. Ability to travel by air and car for several hours.
- Must pass pre-employment drug screening and periodic drug tests if required by customer.
- Must have a valid driver's license and be able to rent a car.
- US Citizenship and Passport is required for international travel.
- Must present proof of Covid-19 vaccination prior to starting employment.