



Job Description – Electrical Engineer

OVERVIEW

A small but growing office in Morris County NJ is looking for an Electrical Engineer to help reach the next level. The company is a subsidiary of a UK based company and sells instruments, services, and consulting to the electric critical power industry in North and South America.

JOB SUMMARY

We are seeking an Electrical Engineer who will perform Partial Discharge (PD) testing and other condition assessment and training projects in the electric power industry. Locations mainly include utilities, generation plants, and industrial plants and facilities 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 potential customers.

This individual will have to show initiative to be able to handle multiple diverse tasks. This individual will perform non-invasive surveys on medium and high voltage circuit breakers, cables, accessories, and insulators, generating reports with findings and recommendations. Providing demonstrations and presentations for potential customers will be a regular part of the job.

This position will be based in our Denville, NJ office. When not travelling to customer sites, the candidate will be expected to work from the company office. Occasional work from home (1-2 days per week) will be permitted.

The successful candidate will have a great exposure to medium and high voltage electrical installations at electric utilities and a large variety of sectors. And the opportunity to work with experienced customer senior P.E. electrical engineers, reliability engineers, and electricians. It's a rewarding position that helps customers with their urgent and significant problems.



JOB REQUIREMENTS

- Travel Required: Approximately 25%. This level can vary due to customer demand.
- Must be comfortable working in outdoor locations 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

JOB FUNCTIONS

- Become highly knowledgeable and skilled in the theory and operation of the company's products and services.
- Provide phone, video, and on-site support to customers on handheld PD instruments.
- Configure, quote, commission, and configure PD monitoring systems. Provide customer support for monitoring systems. Eventually provide analysis on an ongoing regular basis as part of the Astute offering.
- Provide product demonstrations and training on theory and testing to existing and prospective customers, as well as support distributors and manufacturer's representatives in our region. Demonstrations and training are performed via web video and in person.
- Perform calibration of customer units in the office as needed.
- Using the factory supplied analysis software, perform analysis of CableData Collector instrument data supplied from the field. Generate report of the findings.



- Perform PD testing of electric apparatus, initially in the Northeast region of the United States, and generate reports to indicate the overall condition of the assets. Eventually this will expand to include travel to various locations in the US and Canada to provide PD testing services.
- Attending trade conferences where you might be expected to perform the following:
 - Writing and delivering technical papers
 - Preparing and shipping tradeshow booth and equipment
 - Booth setup and tear down
 - Manning booth and interact with potential customers
- Assist with marketing efforts as follows:
 - Be active on social media (mainly LinkedIn) to reinforce company's position as thought leaders and experts in MV reliability.
 - Help prepare e-mail campaigns.
 - Prepare and deliver webinars for potential customers.
 - Write articles for trade magazines.
- Occasionally assist with the filling of orders for customers. This includes testing instruments and systems and may include assembly and test of products.
- As this is a small office, job responsibilities will vary based on the needs of the business and supporting the balance of the team in whatever needs to be done.
- Coordinate all travel, including making all travel arrangements, meeting customers' needs, arranging multiple customer visits where possible to maximize effectiveness.



QUALIFICATIONS

Education Bachelor's degree in Electrical / Power Engineering

Preferred Experience

- Electrical / scientific internship or summer work experience
- Sales or customer service work experience
- Testing / maintenance of medium voltage electrical equipment a plus
- Leadership and speaking skills

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 as required for access to customer sites.
- Must have a valid driver's license and be able to rent a car. Able and willing to drive to customer sites in the Northeast US.
- Must be legally eligible to work in the U.S. permanently without sponsorship and be able to travel internationally.
- Must present proof of Covid-19 vaccination prior to starting employment.
- Resident within commuting distance of Denville NJ.

ABOUT EA TECHNOLOGY

EA Technology LLC based in Denville NJ is the Americas office of U.K. based EA Technology Ltd. For over 55 years, we have advanced the science and engineering of the distribution and use of electricity. With HQ in Capenhurst U.K.; regional offices in USA, Australia, Singapore, and China; authorized representatives and distributors around the world, and over 50 employees worldwide, we truly have a global reach.

From our NJ office, we are responsible for the Americas including North and South America, Caribbean, and Bermuda. Key products include the award-winning UltraTEV Plus 2 portable non-invasive partial discharge test instrument and Astute online fulltime



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partial discharge monitoring system. We also offer enterprise software for utility asset management, ISO 55000 electrical asset management consulting and auditing services, and other bespoke electrical consulting services.

Learn more at our website <https://eatechnology.com/americas/>
FAQ: <https://eatechnology.com/americas/resources/faq/partial-discharge-testing-pd-testing/>

HOW TO APPLY

Submit your cover letter and resume to attn Jorge Rivera, President at sales@eatechnologyusa.com

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