



Lead Testing & Commissioning Technician

Company

Drawing on the success of Substation Engineering Company (SECO established in 2006), and in response to our Utility Client requests, Tier 1 Utility Design (Tier 1) was founded in 2015. Following the success of Tier 1, Tier 1 Testing & Commissioning (T1TC) was established in 2022. A certified Women-Owned Business Enterprise (WBE), T1TC is meeting the challenges of the utility industry in the 21st century, and we are looking for you to be the next member of our team!

T1TC Technicians specialize in quality utility substation testing and commissioning (medium to high voltage) primarily within the Mid-Atlantic Region with existing projects and clientele in OH, PA, MD, NJ, DC, DE, WV, VA and the Northeast (NY & New England). We have secured utility projects for which we need additional talented and motivated Testing & Technicians. Covering 200+ total Employees overall, T1TC offers benefits comparable to much larger companies while still being valued and acknowledged as an individual. Our philosophy aligns personal growth with company growth, with an emphasis on maintaining a healthy work/ life balance.

We currently need additional Testing Technicians at all levels. ***If you have prior T&C experience supporting Exelon utilities (BGE, PEPCO, Delmarva, ACE, PECO) OR First Energy, you have our immediate attention and commitment to compensate you accordingly.***

Job Description

Responsibilities

- Detailed and often complex testing and commissioning plans including, identification of required testing, circuit isolation and restoration, project sequencing, construction scheduling, outage and energization planning, in-service checks, and associated responsibilities
- Thorough review of all drawings/ diagrams prior to project start, performance of pre-job walk-throughs and communication to Client if adjustments are required
- Integral contributor/ Lead in project bidding, inspection, troubleshooting, Leadership with simple to complex electrical projects (including apparatus and protection & control/ relay equipment
- Hands on Leadership in testing & commissioning at major utility sites while overseeing and mentoring other technicians and commissioning engineers to complete projects safely, on-time and within budget (“Walk the Walk”)
- Ensure Client satisfaction in expectations, standards and finished product are met
- Ensure that all T1TC testing & commissioning activities are performed and documented per Client/ Utility, OSHA, NFPA, NETA and T1TC standards and requirements
- Responsible for hands-on execution of projects including startup, commissioning, and troubleshooting of power delivery equipment including transformers, switchgear, circuit breakers, automatic transfer switches, protective relays, SCADA, metering and other power equipment



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- Perform testing of medium and high voltage substation apparatus including, but not limited to, instrument transformers, circuit breakers, transformers, and capacitor banks
- Promote safe workplace practices, and an overall questioning attitude
- Provide feedback and offer suggestions while in the field, by reviewing field files, daily logs, and safety briefs for accuracy
- Supervise and support field operations on medium to high voltage substation protection, control, SCADA, and metering projects
- Read, interpret, troubleshoot, and effectively utilize electrical drawings and schematics during the testing and commissioning process to meet the design intent
- Effectively interface with company Project Leads and other PM's for active project support in scheduling, change orders, RFIs, RFPs and discrepancy logs
- Maintain project tracking, progress and status reports documentation
- Support energization and in-service checks to validate electrical quantities
- Testing of AC and DC station service systems including, but not limited to, transfer switches, panelboards, battery systems and battery chargers
- Perform acceptance testing and logic checks of microprocessor protector relays and schemes associated with transmission lines, busses, power transformers, cap banks, feeders, breakers, etc.

Requirements

- **Education:** High school graduate or GED equivalent with AS or BS Degree in Electrical Engineering (Power Systems) OR Completion of 3 – 5-year Electrician Apprentice Program OR U.S. Army Prime Power Production or U.S. Navy Nuclear Program completion with 3+ years of hands-on implementation on electrical equipment
- **Experience:** 5+ years Field Service Engineering/ Testing/ Commissioning on both relays + apparatus
- High level of proficiency with test sets such as Doble, Megger, Vanguard, Arbiter
- Strong organization skills and attention to detail
- NETA testing specifications knowledge and certifications are helpful but not required.
- Power distribution, AC/DC, Voltage Circuit Theory, and practical troubleshooting skills
- Strong background in electrical power including low voltage through medium voltage
- Proven strong ability to read/ understand schematics and blueprints
- Solid experience with diagnostic software and service report writing
- Familiarity with industry standards including ANSI/NETA, IEEE, NFPA, NETA, NEC and UL
- Current US Citizenship or Permanent Resident (GC) required for site access
- Must be willing to commute to and work on Customer sites daily (including harsh weather)
- Must complete compliant background checks and drug and alcohol testing both pre-hire and ongoing as required by Customer(s) and/ or T1TC
- Must have a valid US driver's license and compliant driving history

T1TC offers a full generous benefits package including all health, life, disability and catastrophic insurances, dental and vision, combined PTO, 401K with immediate vesting and 100% match up to 4% employee contribution, FSA, company vehicle and gas card (pending clearance), Per Diem, reimbursements for gym memberships, and much more.



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Commissioning Technician**

Working Conditions / Requirements

- Sit, talk, hear, read, write and type
- Regularly walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms, Squat/ Bend to check equipment, test and lift
- Must regularly lift and/ or move up to 50 pounds
- Must be willing and able to work a flexible schedule; work overtime to meet critical deadlines and be willing to travel