



## Reliability Through Electrical Testing & Maintenance

**TRACE Electrical Services and Testing, LLC** specializes in performing electrical testing and maintenance on new and existing electrical distribution systems throughout the northeast region. We have over 30 years of experience and act as an independent third party testing company that can provide objective assessment of low, medium, and high voltage electrical distribution equipment. We are located in Mercer County, New Jersey and have a full staff of project managers, engineers, safety director, and test technicians averaging 20+ years in the electrical testing industry.

**Mission Statement:** *Our commitment to supporting and adding value for our customers drives everything we do. We utilize our employees' expertise together with state-of-the-art technology to provide our customers with the best value in electrical testing, maintenance and engineering services.*

- Provide unbiased testing authority, professionally independent of the switchgear manufactures' and installation contractors.
- Provide the expertise, tools and resources to our customers.
- Manage the life cycle of their electrical distribution systems.
- Develop custom-tailored maintenance and life extension programs.

The way you use electrical power in your facilities today has created a great need for our specialized services. Our staff is available to work with you to develop and implement a customized electrical testing and maintenance program.

**\* EMERGENCY SERVICES AVAILABLE 24/7 \***

We look forward to supporting your future Electrical Testing and Maintenance needs.

For additional information please contact us:

Proud Members of:

293 Whitehead Road  
Hamilton, NJ 08619  
Phone: 609-588-8666  
Fax: 609-588-8667  
24/7 Emergency: 856-404-5249  
[www.traceesting.com](http://www.traceesting.com)



**\* FREE ON SITE SURVEYS \***

*In the business of keeping you in business...*

# Electrical Testing and Preventive Maintenance Services

We specialize in industrial, manufacturing, utility and large-commercial facilities. We have the expertise for any power distribution application from 24vdc to 500kV. Please review the proposed services listed below.

## **Acceptance Testing**

- Specialty Startups
- Functional Tests
- Point to point wiring checks
- Protective devices set to coordination values

## **Reliability & Maintenance Testing**

- Testing & reliability services for low, medium & high voltage equipment
- Inspection, testing & calibration
- Doble power factor testing
- Dielectric fluid analysis (physical and chemical characteristics)

## **Power Quality**

- Harmonic investigations, analysis and solutions
- Grounding/neutral problems
- Transient voltage measurements
- Load surveys & ampacity monitoring
- Portable KW/KWH, KVA, KVAR check metering
- Sub-metering calibration services

## **Engineering**

- Coordination studies
- Load flow analysis
- Short circuit studies
- Systems drawings
- Manhole & duct surveys
- Complete CAD capabilities

## **Load Testing**

- Services for generators and UPS systems
- To 30 megawatts resistive load
- To 1200 KVAR inductive load
- Automatic transfer switches (ATS)

## **In Service Testing**

- Infrared inspections
- Ultrasonic inspections
- Dielectric fluid sampling & analysis, including combustible
- Gas analysis of transformer gas blanket
- Solid state trip units and relays repaired

## **Switchgear Upgrades**

- Upgrade & modernization of controls
- Vacuum retrofits
- Modernization of low voltage switchboards
- Upgrade & epoxy coating of bus duct & insulation systems

## **Circuit Breaker Reconditioning/Remanufacturing**

- Upgrade & modernization of controls
- Circuit breaker retrofits
- Complete Circuit Breaker Rebuilding
- Reconditioning of circuit breakers
- Retrofit of electromechanical trip units with solid state

## **Medium Voltage Cable Services**

- Cable Fault Locating
- Cable Splicing
- Cable Replacement
- Cable Repair
- Cable Locating and Labeling Services
- Insulation Integrity Testing

## **Technical Training**

- OSHA safety training
- Lockout Tagout
- Electrical Hazards
- Right to know training

## **Electrical Risk Management Programs**

- Updated one line diagrams
- Short circuit and coordination studies
- Power quality and load studies
- Safety training programs
- Emergency equipment testing and maintenance
- Normal power distribution equipment testing and Maintenance

**\* Over 30 Years of Experience \***



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