

Overview

Next Level Reliability

Whether you need to commission a new facility, perform preventive and predictive maintenance, or extend the life of your equipment, Electrical Reliability Services (ERS) delivers innovative solutions to maximize the performance of your critical assets.

We help facility, maintenance, and engineering managers mitigate risks and reduce costs through services that:

- Enhance safety
- Improve reliability
- Extend equipment lifespan
- Provide cost savings
- Improve energy efficiency
- Verify regulatory compliance
- Optimize system performance

Our team includes professional engineers, NETA-certified technicians, electrical engineers, compliance engineers, training specialists, and more, bringing deep expertise and a commitment to delivering exceptional results. By combining technical skills with responsive service, we consistently exceed expectations for quality, safety, and performance.

With a network of more than 20 locations across North America, ERS is ready to support your needs, wherever and whenever you need us.



Electrical Power Failure is not an Option

Electrical power is the pulse of your plant. It's vital to your operations, but also dangerous and costly. When your electrical assets fail, profits and people can suffer.

Our goal is to partner with you and provide comprehensive solutions that deliver your desired results. Our unique approach to asset optimization includes benchmarking, jointly formulating your plan, and working with you to implement it for maximum return.

We provide complete lifecycle support for your entire electrical distribution system including:

- Generating stations, substations
- Transformers, PDUs
- Switchgear, circuit breakers, panelboards
- Relays, meters, protective devices
- Drives, motors, starters
- Transmission, distribution, and DC systems
- UPS, batteries, generators, automatic transfer switches
- Cables
- Grounding

Electrical Service Expertise

NETA-Certified Technicians deliver visual and mechanical inspections and testing in accordance with the ANSI/NETA ATS and MTS Standards.

- Switchgear, Switches, Circuit Breakers & Circuit Switches
- Transformers & Instrument Transformers
- Cables & Fiber-Optic Cables
- Bus Bars, Bus Ways & Outdoor Bus Structures
- Network Protectors & Protective Relays
- Metering Devices & Regulating Apparatus
- Grounding Systems & Ground Fault Protection
- Rotating Machinery, Motor Controls & Adjustable-Speed Drive Systems
- Batteries, UPS & Surge Arresters
- Capacitors & Reactors
- Emergency & Communication Systems
- Automatic Circuit Reclosers & Line Sectionalizers

Project Services

- Commissioning Services
- Project Management

Maintenance Testing

- Preventive Maintenance
- Predictive Maintenance
- Partial Discharge Testing
- Protective Relay Testing
- Circuit Breaker Maintenance Testing
- Transformer Services/Oil & Fluid Analysis

Acceptance Testing

- Electrical System Acceptance Testing
- Switchgear Acceptance Testing
- Circuit Breaker Acceptance Testing

Engineering Services

- Arc Flash Services
- Short Circuit and Coordination Studies
- Power Quality Studies and Harmonic Analysis
- Power Factor Studies
- Grounding Studies
- System Logic and Control Settings
- Single-Line Diagrams

Protection & Controls

- Relay Upgrades & Replacements
- Circuit Breaker Upgrades and Replacements
- NERC Compliance

DC Power Services

- Installations, Upgrade, and Replacement
- Battery & UPS Preventive Maintenance
- Generator Preventive Maintenance
- Battery Remote Monitoring
- Equipment Rental

Training Services

- Electrical Safety Training
 - NFPA 70E Arc Flash and OSHA 1910
 - NFPA 70B
- Electrical Systems Training
 - Essential Theory and Concepts
 - Data Center Facilities
 - Health Care Facilities
 - Water Treatment Plants
 - Substations
 - Motor Control Operations and Troubleshooting
 - Electrical Safety Concepts for Qualified Workers

NFPA 70B Support Services

- Governing Policy
- Site Audits
- NFPA 70B Maintenance Testing

Emergency Services

- 24x7 Emergency Services
- Disaster Recovery Services

Industry Solutions

- Battery Energy Storage System (BESS)
- Data Centers
- EV Infrastructure
- Utilities
- Wind & Solar