



U.S. Electrical Testing specializes in electrical acceptance and maintenance testing, as well as commissioning and engineering services for the nation's most recognizable mission-critical facilities and secure environments for federal, commercial, and industrial clients.



TESTING SERVICES



ENGINEERING SERVICES



INSTALLATION & REPAIR



ELECTRICAL MAINTENANCE

Headquartered in the greater Washington D.C. area, U.S. Electrical Testing offers 24-hour emergency service, with staff on-call 24 hours a day, 365 days a year across the U.S. With our roster of competent and highly trained technicians and engineers, as well as our network of OEM and aftermarket parts suppliers, we can do whatever it takes to get your facility back online.



U.S. Electrical Testing is a subsidiary of M.C. Dean with separate leadership, operations, and service delivery. M.C. Dean provides cyber-physical solutions, including power, electrical, security, intelligent transportation, industrial IoT, modular infrastructure, and 24/7 facilities engineering and operations management.

TESTING SERVICES

U.S. Electrical Testing provides objective, third-party independent electrical testing of equipment through the entire facility life cycle. From the initial installation and startup phase, throughout maintenance cycles and into upgrades and replacements, our team of cleared technicians and engineers provides the highest quality of service at new and existing facilities for our clients anywhere in the world.



Acceptance Testing

- Low & Medium Voltage Circuit Breakers and Distribution Apparatus
- Low & Medium Voltage Cable (AC, DC, PD, VLF, and Tan-Delta) Testing & Terminations
- High Voltage Substations
- Dry & Oil Power Transformers
- Instrument Transformers
- Protective Relay Programming, Testing, & Calibration
- Power Factor & Partial Discharge Testing
- Ground Fault & Grounding Systems
- Data Center Commissioning
- Wind, Solar, & Co-Generation Testing
- Rotating Apparatus

Maintenance Testing

- Low & Medium Voltage Circuit Breakers and Distribution Apparatus
- Low & Medium Voltage Cable (PD, VLF, & Tan-Delta) Testing
- High Voltage Substations
- Dry & Oil Power Transformers & Oil Analysis
- Instrument Transformers
- Protective Relay Testing and Calibration
- Power Factor & Partial Discharge Testing
- Ground Fault & Grounding Systems
- Rotating Apparatus
- Thermographic (Infrared) Surveys
- Investigation & Troubleshooting Services
- Transfer Schemes & Emergency Systems
- Power Quality Monitoring & Analysis

Engineering Services

- Short Circuit & Coordination Studies
- Arc Flash Studies & Risk Assessment
- Arc Flash Hazard Training
- Relay Settings & Design Engineering
- Print Verification & Documentation, including CAD Services
- Equipment & Technology Evaluation & Analysis
- Complete System Commissioning

Installation & Repair Services

- Solid State Retrofits of Low Voltage Circuit Breakers
- Retrofills of Low Voltage Circuit Breakers
- Facility Testing of Circuit Breakers
- Facility Testing & Calibration of Relays
- Pre-Installation Testing & Check-Out
- Retrofit & Repair Services
- Switchgear Upgrade Service