

ELECTRICAL TESTS

- High potential testing
- Cable fault location
- Ground fault testing
- Ground resistance testing
- Fall-of-potential testing
- Point-to-point testing
- Breaker time travel analysis
- Voltage/load recording
- Contact resistance testing
- Insulation resistance testing
- Insulation power factor testing
- Primary and secondary current injection testing
- Frequency response analysis
- Protective system functional testing
- End-to-end testing
- Standby and emergency system testing
- Partial discharge online and offline testing
- Very low frequency (VLF) testing
- Transformer turns ratio testing
- Winding resistance testing
- Dielectric withstand voltage testing
- Excitation/current testing
- Polarity testing
- Ultrasonic testing
- Infrared testing
- Oil/insulating fluid analysis
- Battery capacity testing
- Impedance testing
- Load testing
- Magnetic field (EMF) testing
- Motor surge comparison testing

PROJECT SERVICES

- Commissioning services
- Retro/Recommissioning
- LEED Commissioning
- Acceptance testing
- Startup services
- Project management
- Installation services
- Integrated systems testing
- Electrical engineering

MAINTENANCE SERVICES

- Preventive Maintenance
 - Turnaround and outage support
 - Periodic inspection, cleaning and lubrication
 - Electrical testing
 - Calibration services
- Predictive Maintenance
 - Partial discharge testing
 - Infrared/thermography
 - Ultrasonics
 - Oil/Fluid analysis
- Corrective Maintenance
 - Troubleshooting
 - Repair services
 - Spare parts
- Maintenance Management
 - Maintenance planning
 - Program development
 - Outage planning
 - Method of procedures (MOP) development

ENGINEERING SERVICES

- Single/three-line diagrams
- Short circuit/coordination study
- Arc flash study

ENGINEERING SERVICES CONTINUED

- Power quality/harmonics
- Load flow analysis
- Power factor study
- Grounding study
- Power system study
- Relay design and integration
- System logic and control settings
- Fault analysis/troubleshooting

EQUIPMENT UPGRADES & REPLACEMENTS

- Turnkey relay retrofits, upgrades and replacements
- Circuit breaker retrofits/upgrades
- UPS retrofits/upgrades
- Battery replacements
- Direct replacement breakers

COMPLIANCE SERVICES

- NERC compliance programs
- NFPA compliance programs
- OSHA safety training
- Arc flash compliance services
- Code/conformity compliance

EDUCATIONAL SERVICES

- Specialized equipment training
- Safety training
- Safety audits
- Skill and training needs assessment
- Safety documentation
- Policy and procedure development

SERVICE MANAGEMENT & SUPPORT

- Customer resolution center
- 24x7 emergency response
- Disaster recovery services