**ACCEPTANCE TESTING/COMMISSIONING**
- Transformer dress out/vacuum filling
- New equipment installations
- Expansions
- Advanced protection relay system

**ONLINE DIAGNOSTIC SERVICES**
- Infrared inspections
- Oil analysis

**ELECTRICAL TESTING SERVICES**
- Power/dissipation factor testing, including voltage and frequency sweeps
- Sweep frequency response analysis (SFRA)
- Excitation current
- Short circuit impedance/leakage reactance
- Frequency response of stray loses (FRSL)
- Dynamic resistance measurement of resistive diverter OLTC’s
- Circuit breaker, switch, and bus high current resistance testing
- Circuit breaker velocity and dynamic timing testing
- Grounding systems resistance testing
- High potential testing
- VLF cable testing
- Winding resistance testing/turns ratio/demagnetization
- Insulation resistance testing
- Instrument transformer ratio, polarity, saturation, & burden testing
- Power simulation for relay testing and commissioning
- Contact resistance testing
- Power factor/dissipation testing
- Oil sampling and analysis

**MAINTENANCE SERVICES**
- Outage support
- Routing testing/periodic inspection/service
- Electrical systems troubleshooting and repair
- Emergency response
- Cable termination and repair
- Mobile SF6 gas handling
- Real time monitoring capabilities, through medium-impact NERC compliant OCC

**ENGINEERING SERVICES**
- Full EPC brown field and green field transmission, distribution substations, and switch yards.
- Site trip analysis with professional engineering oversight

**MONITORING SERVICES**
- Line disturbance/power quality survey
- Power systems survey/load monitoring

**RELAY PROTECTION SERVICES**
- Relay maintenance and calibration
- Protective relay scheme functional testing
- Troubleshooting/relay operation analysis
- End-to-end scheme testing
- NERC/FERC compliance testing
- Settings/logic development/checkout
- Multi-function
- Electro-mechanical
- Solid state
- SCADA installs/upgrades

**SWITCHGEAR SERVICES**
- Vacuum circuit breakers
- Airframe circuit breakers
- Voltage circuit breakers
- Disconnect switches

**SYSTEM UPGRADE**
- Low voltage breaker rebuilding and upgrading
- Transformer repair/oil conditioning
- SF6 circuit breaker repair
- Replace parts
- Protective relay panel replacement/upgrades

**TRANSFORMER FIELD SERVICES**
- Reseal/regasketing
- Internal repair, not windings (bayonet/CL fuses, tap changer, loose connection)
- Remove and replace - Turnkey