



TESTING SERVICES

We've Built Bigger to Serve you Better

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 losses (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

SOLV, INC. TESTING SERVICES

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