



ELECTRICAL TESTING & MAINTENANCE

Medium and Low Voltage

Preventive Maintenance

- Electrical Maintenance Programs (EMP) based on:
 - NFPA 70B Standard
 - NETA Maintenance Testing Specifications (MTS)
- Ultrasonic & Thermographic (Infrared) Inspections
- Megger Testing
- Power Quality Analysis
- System Load Studies
- Harmonic Distortion Analysis
- De-Energized Equipment Maintenance
- Energized Equipment Inspections
- Oil Resistivity Testing
- Oil Sampling & Lab Analysis
- Transformer Testing & Maintenance:
 - Assembly
 - Commissioning
 - Internal Inspections
 - Field Repairs
 - Turns Ratio Testing
 - Winding Resistance Testing
- Doble:
 - Dielectric Power Factor Testing
 - Sweep Frequency Response Analysis



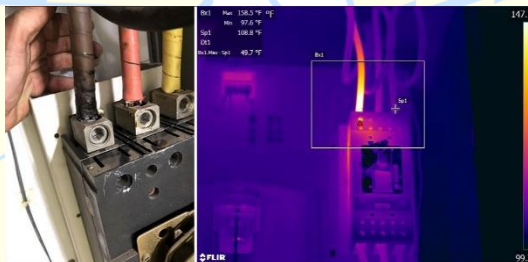
- Maintenance & Testing of:
 - Oil-Filled Circuit Breakers
 - Vacuum Circuit Breakers
 - SF6 (Sulfur Hexafluoride) Circuit Breakers
 - Battery Systems
- Protective Relays:
 - Testing & Calibration
 - Replacement & Retrofits

- Circuit Breakers:
 - Repairs
 - Timing & Travel-motion Analysis
 - Primary & Secondary Injection Testing
 - Microprocessor Controlled Trip-unit Retrofits



Cable Testing & Fault Locating

- Very Low Frequency Testing (VLF)
- Cable Polarization
- High Potential Testing
- Underground Cable Locating
- Splicing & terminations
- Thermographic Testing of Splices & Terminations



Arc Flash Hazard Analysis

- Evaluation & Custom Programs
- Electrical Equipment Condition Assessment
- Facility Mitigation Recommendations
- NFPA 70E Compliance:
 - Field Data Collection
 - Energized Work Procedure



Acceptance Testing

- Transformer Assembly & Testing
- Internal Inspections
- Dielectric Fluid Sampling & Lab Analysis
- Complete Protection Circuit Verification & Functional Testing
- Vacuum Bottle Testing
- Doble Sweep Frequency Response Analysis
- Protective Relay Programming & Acceptance Testing
- Soil resistivity Testing
- Ground Grid Inspection & Testing
- Medium Voltage Cable:
 - Doble Insulation Power Factor Testing
 - Inspection & Acceptance Testing
 - Splice & Termination Testing
- Low Voltage Cable Acceptance Testing
- Thermographic & Ultrasonic Inspections
- Battery System Acceptance Testing
- Current & Potential Transformer Acceptance Testing

“WITHOUT PREVENTATIVE MAINTENANCE, THE FAILURE RATE OF ELECTRICAL SYSTEM COMPONENTS IS THREE TIMES HIGHER.”

—Institute of Electrical and Electronic Engineers (IEEE)

Contact our Medium Voltage Testing Division:

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