PROGUSA

COMPREHENSIVE SERVICE CAPABILITIES

POWER QUALITY & MONITORING

- Per-case power quality studies
- Permanent power quality monitoring systems
- Live event monitoring and alerts
- Harmonic analysis and mitigation planning
- Transient and sine wave analysis
- Voltage stability assessments
- Partial discharge and pressurized system leak detection

ENERGY EFFICIENCY & UTILITY COST

- Power factor correction design and implementation
- Harmonic filtering solutions
- Peak demand and load management analysis
- Utility rate analysis and optimization
- General site energy efficiency surveys
- Grant and incentive evaluation support
- Life cycle cost analysis

INFRARED & THERMAL IMAGING SERVICES

- Electrical infrared inspections (NEC and NFPA compliant)
- Medium voltage scans
- Roof moisture intrusion assessments
- Block wall and construction confirmation scans
- Moisture and leak detection
- Detailed digital reporting

ELECTRICAL TESTING & MAINTENANCE

- Breaker testing (primary and secondary injection)
- Contact resistance testing
- Cable testing (VLF, Hi-pot, Megger)
- Transformer DGA and oil sampling
- Ground studies
- Switchgear cleaning and lubrication
- Relay testing and calibration

ENGINEERING & DESIGN-BUILD SERVICES

- Microgrid design and deployment
- Generator and switchgear design-build
- Large-scale battery backup systems
- Solar systems (100 kW to 400 MW)
- EV charging infrastructure
- LED lighting upgrades
- Electrical and mechanical efficiency upgrades

UTILITY & INDUSTRIAL SUPPORT SERVICES

- Large outage investigations
- Critical infrastructure infrared scans
- Contingency analysis support
- Storm response microgrid deployment
- Generator storm support and installation
- National Electrical Code inspections
- Post-inspection corrective services

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