



## 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

# PROGUSA

## COMPREHENSIVE **SERVICE** CAPABILITIES



## 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