

INFRARED INSPECTIONS

Before an electrical component burns up, it heats up. Infrared thermography is used to detect the excessive heat produced by a damaged or failing component. This allows problems to be identified and addressed before the component fails; preventing equipment damage, safety hazards and production downtime.

As part of an Electrical Preventative Maintenance program, infrared inspections also save money by verifying equipment is operating at peak efficiency.

ARC FLASH HAZARD ANALYSIS

An Arc Flash is any event in your electrical system that generates an unwanted and unexpected release of energy. This arc flash can severely injure employees, cause significant damage to equipment and loss of revenue. OSHA requires an assessment of all hazards when working on energized electrical equipment and that proper personal protective equipment is provided.

Arc Flash Hazard Analysis calculates the incident energy generated during an electrical arc event using the magnitude and potential time duration of these events at various electrical devices in your system. What you learn from the analysis can assist in addressing worker safety and OSHA compliance, decrease the risk of liability due to electrical accidents, and increase the availability of building insurance.

MAINTENANCE & TESTING



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DESIGN | INTEGRATE | INSTALL | MAINTAIN | MONITOR

MAINTENANCE & TESTING



Just like your mechanical equipment, your electrical equipment performs better and lasts longer when regularly inspected and maintained. Preventing potential issues before they occur means you avoid an overheated electrical system or a catastrophic failure and the associated costs and damages.

ERMCO's skilled technicians, certified through NICET, provide services including acceptance and maintenance testing for all voltage classes. All testing is performed according to the NETA (International Electrical Testing Association) Acceptance Testing and Maintenance Testing Specifications and to the appropriate ANSI and IEEE testing standards.

OUR SERVICES INCLUDE:

- Arc-Flash hazard analysis
- Infrared inspections
- Employee safety training assistance
- Cable installation, splicing terminating, and testing
- Circuit breaker testing, rebuild and repair
- Short circuit and coordination studies
- Substation installation and repair
- Transformers, dry type and liquid-filled



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