PROGUSA

# NFPA 70B ELECTRICAL THERMOGRAPHIC INSPECTIONS

## Prevent Electrical Failures Before They Occur

Electrical failures often develop slowly through loose connections, overloaded circuits, or deteriorating components. These issues frequently produce abnormal heat long before equipment fails.

Infrared thermography allows these developing problems to be detected early.

NFPA 70B emphasizes the importance of structured electrical preventive maintenance programs, including thermographic inspections of energized electrical equipment.
ProgUSA provides professional infrared inspections designed to help facilities identify hazards, reduce electrical risk, and meet Mandatory NFPA 70B Maintenance Compliance Standards.

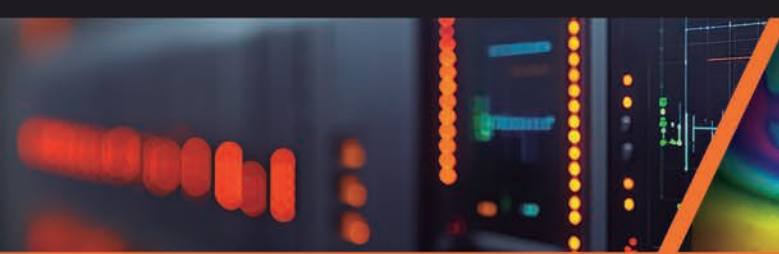
### EQUIPMENT TYPICALLY INSPECTED

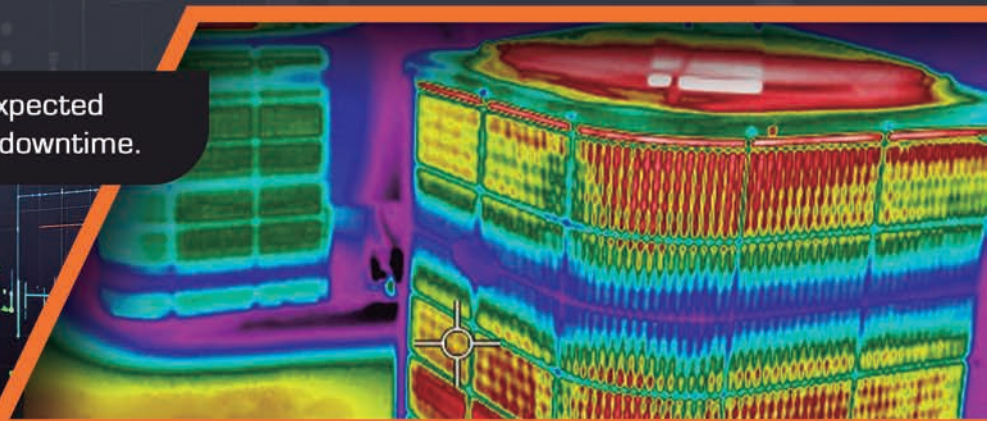
- Switchgear
- Motor Control Centers (MCCs)
- Panelboards
- Transformers
- Bus ducts
- Breakers and disconnects

### COMMON PROBLEMS IDENTIFIED

- Loose electrical connections
- Phase imbalance
- Overloaded circuits
- Failing components
- Insulation degradation

Early detection reduces the risk of unexpected failures, arc flash incidents, and costly downtime.





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407 332 8678

info@progusa.net

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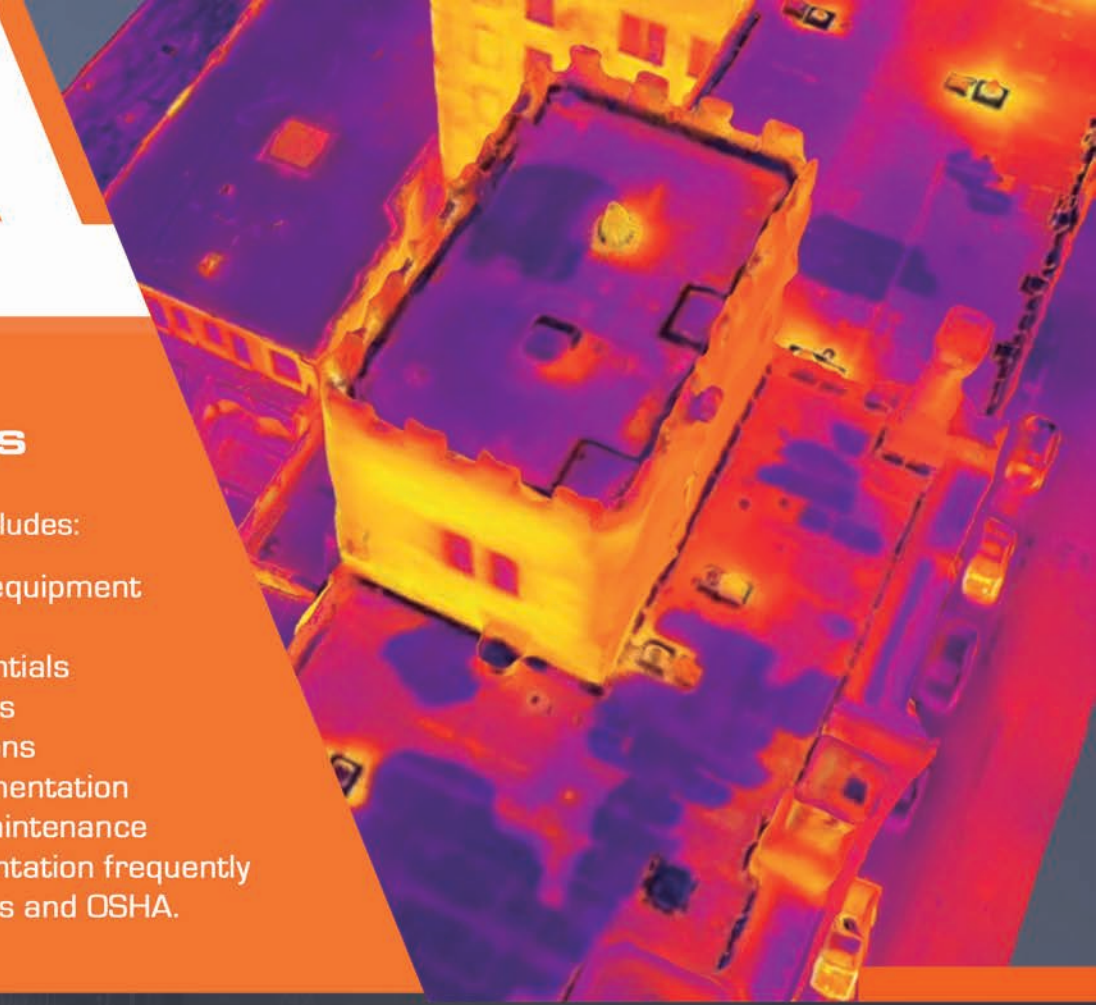

## INSPECTION DELIVERABLES

Each thermographic inspection includes:

- Thermal images documenting equipment condition
- Measured temperature differentials
- Severity classification of findings
- Recommended corrective actions
- Structured maintenance documentation
- Reports support NFPA 70B maintenance programs and provide documentation frequently requested by insurance carriers and OSHA.

## WHY PROGUSA

Engineering-led electrical diagnostics
Utility and industrial facility expertise
Advanced infrared inspection technology
Clear and actionable reporting
National service capability

## INDUSTRIES WE SERVE

- Industrial manufacturing facilities
- Utilities and electric cooperatives
- Data centers
- Healthcare facilities
- Commercial campuses
- Electrical service contractors

## PREVENTIVE MAINTENANCE PROGRAMS

ProgUSA offers recurring thermographic inspection programs designed to:

- Track equipment condition over time
- Identify developing electrical faults early
- Provide Mandatory Compliance Requeriments to meet NFPA 70B Standards.
- Reduce unplanned outages

Inspection programs can be scheduled annually, semi-annually, or quarterly depending on facility needs.

## TO LEARN MORE SCHEDULE AN APPOINTMENT


PROGUSA PQ TEAM

info@progusa.net

321-396-6289