

# Infrared Compliance Simplified

## What Is Infrared Imaging?

Infrared imaging, also known as thermal imaging, uses advanced cameras to detect heat patterns and anomalies in equipment and systems that are invisible to the naked eye. By visualizing temperature variations, infrared imaging pinpoints potential issues before they escalate into costly failures or dangerous hazards. Infrared imaging works by using Infrared cameras to capture heat signatures emitted by objects, translating them into a visual map of temperature differences. It's commonly used to inspect electrical & mechanical systems & equipment, roofs, and even building structures for early warning signs of failure.

## Why Does It Matter?

Infrared inspections play a critical role in maintaining safety, operational efficiency, and compliance. Ignoring thermal anomalies can lead to costly downtime, safety hazards, and even catastrophic failures.



### Prevents Fires

Identifies overheating equipment, loose connections, and other fire hazards.



### Reduces Costs

Detects problems early, avoiding unplanned downtime and expensive repairs.



### Enhances Efficiency

Allows for planned maintenance during non-peak hours, minimizing operational disruption.



### Improves Safety

Protects personnel and assets by addressing potential hazards before they escalate.

## Why It's Required

### NFPA 70B Standard

The NFPA 70B Standard for Electrical Equipment Maintenance mandates annual infrared inspections for commercial and industrial facilities as part of a comprehensive maintenance program.

### Compliance Requirements

- Annual inspections of critical electrical systems, including panels, disconnects, breakers, and transformers.
- Documentation of findings for insurance, regulatory, and safety purposes.

### Insurance Benefits

- Compliance with NFPA 70B may result in reduced insurance premiums.
- Detailed inspection reports can streamline the claims process and support risk management.

### Liability Reduction

- Regular inspections help avoid costly lawsuits and downtime caused by preventable incidents.





# Leaders In Thermal Imaging Services

## WHAT WE DO



**Electrical & Mechanical System Inspections**



**Preventative maintenance analysis & recommendations**



**Aerial Roof Assessments**



**Building Envelope Studies**



**Sustainability Evaluations**



**Process Improvement Studies**

**Dependable electrical Infrastructure Is the foundation of your success.**

Don't get caught off guard by letting hidden issues turn into costly, unsafe breakdowns. InfraredTeam can provide you with the same extensive thermal imaging experience and services trusted by major U.S. corporations, hospitals, data centers, industrial and commercial facilities, and government agencies. As leaders in infrared inspection services, we collaborate with each client to build custom inspection programs that meet their unique needs.

TRUSTED BY:



**Schedule your onsite visit today!**

We'll come to you, at your convenience, and discuss how we can partner to keep your facility secure and safe.



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