



Avoid
shutdowns—
infrared
inspections
keep
electrical
assets safe

Keep expensive electrical assets functioning at peak performance with an annual infrared inspection. Reduce insurance premiums, keep properties compliant with safety guidelines, and spot potential issues before they become big problems.

Your top priority is keeping buildings safe and fully operational. Think of all the intricate electrical equipment your properties use: electrical panels, HVAC systems, interior and exterior lighting, security systems, motors, and fuses. Now what happens if any of them fail?

Tenants could be cold in the winter, or roast during a heat wave. Offices could go dark or manufacturing lines could halt, costing hundreds of thousands of dollars in lost production. Plus, as businesses use more technology, more power is used which stresses aging electrical systems further.

Find issues before they're big problems

The simple fact is electrical components wear out over time or when more demand is put on them. A multi-point infrared inspection will evaluate your electrical system as a whole and identify potential points of failure before they become a "lights out" situation.

See heat, find hot spots

Because electrical equipment generally heats up before it fails, finding "hot spots" early is critical. In the same way we can't see radio waves or UV light from the sun, infrared radiation (heat energy) can't be seen. Thermography requires special cameras which measure the infrared radiation from electrical equipment and turn it into images to analyze.

During an inspection, a qualified technician with an infrared camera will detect and interpret temperature variances in your electrical equipment and recommend needed corrections. This skill takes years to develop. It requires calibrated tools and a working knowledge of industry standards.

Thorough scans so nothing's missed

A scan is conducted from a safe distance to measure temperatures and capture both still photos and video. Most equipment scanned will be working properly, but the thermal camera also reveals temperature variances which could indicate overheating components.

A full scan looks for safety concerns that would disrupt electrical services, such as bad breakers, fuses and connections, plus obsolete items—those without available parts or no longer supported by manufacturers. Included in the multi-point inspection, a visual scan with a standard camera identifies components related to standards found in NFPA 110, NFPA 70E, NETA and NEMA.



California commercial property managers rely on LTSPS for lighting retrofits and maintenance, lighting controls, signing, security systems, and card access and EV chargers.



Purpose of an annual thermal imaging inspection:

- Prevent catastrophic failures or repairs
- Provide tenants with uninterrupted service
- Increase the lifespan of essential equipment
- Get more out of your investment in electrical assets
- Reduce insurance premiums with an annual scan and recommended repairs
- Keep electrical systems running smoothly on all properties

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Specific electrical components have expected lifespans and tolerances. An annual infrared scan will show how those components are performing year over year. Annual records of your system help you trend problems, predict maintenance, and budget for repairs or replacements.

Prioritized reports so you know where to start

The real power of the infrared inspection is the detailed report you receive. Every piece of equipment scanned is listed along with any issues found, and recommended maintenance each year for the next five years. With reliable information, you can address pending issues that could impact the integrity of your electrical systems.

Reduce insurance premiums, too

In fact, most insurance companies confirm scheduled credits from 5% to 10% of property insurance premiums when an annual infrared test is conducted along with the repair of any issues discovered.

There are many reasons to schedule your infrared test of your electrical assets now: avoid the cost of unexpected shutdowns; lengthen the lifespan of electrical assets; improve ROI; and lower insurance premiums.

A five-year electrical asset protection plan for free, a \$500 value

As part of the NFPA 70E buildings electrical safety program, buildings are required to establish a maintenance and testing plan according to industry standards. Schedule your multi-point infrared electrical inspection (rates are based on the scope of work) and the asset protection plan documenting the results is yours at no charge. It's a \$500 value!

Schedule your multi-point infrared imaging scan today at 888-587-7782.

This detailed plan identifies specific electrical components and their current status, as well as potential upgrades or replacements that will be needed each year for the next five years.

For a property manager, it's a valuable tool for budget planning. You'll stay compliant with NFPA 70E and any other electrical safety plans you may have in place.



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