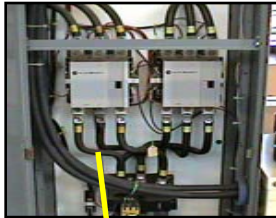


What is Thermography?



Thermography is the use of infrared photography to measure thermal energy emitted from an object. Thermal energy, or heat, shows a new picture to us – one that is not visible to the naked eye.

What You See



What We See



Thermal energy readouts can help police track down suspects in hiding or rescue hikers lost in remote locations. In the medical field, thermography is used to provide deeper insights into a person's health problems. In the military; infrared cameras are key in night vision; it is evident in footage shown on the news during military reports. But although its uses are far-reaching, many of its more common uses are related to manufacturing and utilities.

Thermographic pictures will help our technicians determine whether or not your electrical equipment is functioning safely and efficiently. It is a proven way to detect and diagnose problems in a completely non-invasive manner while your plant is in operation.

Call today to find out about our other services.

AUTOMATED SYSTEMS

Elm delivers advanced automation solutions by coupling many different critical disciplines. Our staff of experienced, innovative engineers and technicians provide the foundation of applying complex industrial control systems to your manufacturing process. We are experts in automation solutions including PLCs, motion control systems, human machine interface, vision systems and variable frequency drives.

CONSTRUCTION SERVICES

We provide building service and lighting, integrated control systems and large industrial installation projects. We have the expertise to provide ground-up design & build solutions as well as turnkey drive-system installations. Every project is guided from start to finish with a project management methodology focused to deliver your project on time and within budget.

SERVICE AND SUPPORT

We have the technical expertise and knowledge you need to meet your 24/7 business objectives. Elm has provided maintenance and repair of electrical equipment and machinery to commercial, industrial, and government clients since 1971.

CONTROL PANEL ASSEMBLY

For over 2 decades, Elm has manufactured high-quality electrical control panels. Whether initiating a new design or executing to your final drawings, our assembly team builds control panel solutions that meet your budget and schedule requirements. Elm's partnership with major electrical equipment suppliers and local vendors, along with our modern assembly facilities, enables quick delivery on both standard and custom assemblies.

**Contact Kyle Richard, Director of Sales,
for more information.**

THERMOGRAPHIC SERVICES



- ◆ Monitor the condition of your equipment
- ◆ Prevent breakdowns and loss of production time
- ◆ Increase efficiency



68 Union Street (413) 568-0905
Westfield, MA 01085 www.elmelec.com

PREVENT

In today's economy, companies cannot risk interruption of their business for any reason. An electrical system failure can instantly impact your entire business. The best case scenario is loss of productivity, cost incurred, and compromised customer service. The worst case scenario could mean damage to your facility and injury or death to your employees.

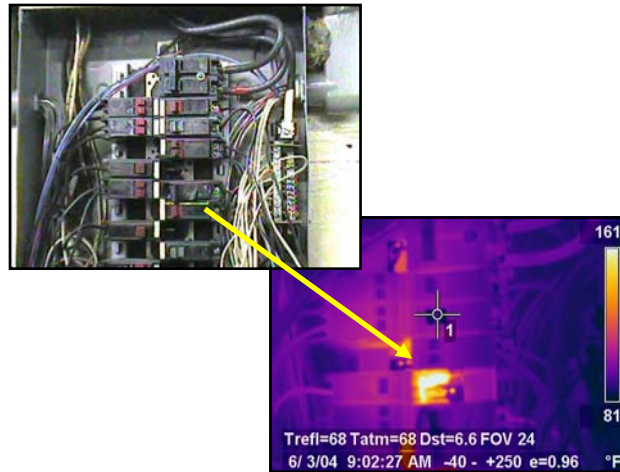
Prevent potential electrical problems with a thermographic scan by Elm Electrical, Inc. Our state-of-the-art infrared camera identifies problem electrical systems by locating wiring that is functioning at an unacceptably high temperature.

We understand that you cannot stop working to take a look at the equipment working for you. Thermography is completely non-invasive and does not interrupt your business.

As part of our services, you will receive a detailed report identifying all areas photographed, their current condition, problem areas, and recommendations for solutions.

In one step, you can increase equipment reliability and the safety of your facility - and potentially save your company the cost of a major electrical malfunction.

DIAGNOSE



Thermography is both an electrical maintenance and process control tool that **diagnoses** problems with your systems. Could your systems run faster? Be more accurate? You can increase your company's efficiency by taking a closer look at how your systems operate and adjusting them to run more efficiently.

How do you know if your equipment is running at its optimum capabilities? By using thermographic photography, we can take a look inside at the performance of many different systems and make recommendations that will increase the performance of your business!

Take advantage of our expertise and build yourself a better business!

REPAIR

Elm Electrical, Inc. has the skilled professionals you need to manage and **repair** problem electrical areas once they have been diagnosed.

Our company has been providing electrical maintenance and repair since 1971. We employ only the best electricians and technicians to deliver the highest level of customer service you demand. Safety is our number one priority, so you can rest assured your electrical work is being completed in compliance with all safety standards.

We also have the advantage of an experienced engineering staff that specializes in the following disciplines:

- Power & Distribution Systems
- Automation & Control Systems
- Lighting & Energy Management Systems
- Drive & Web Handling Systems

Thermography in Your Home

An electrical problem in your home can be devastating to you and your family. A thermographic scan by Elm Electrical can give you the peace of mind to help you sleep at night, knowing you are sleeping in a safer home.

Thermography can also potentially help you save money on your utility bills by locating heat leaks in your house.

Call us for more details.

