

INFRARED INSPECTIONS

"A PICTURE SAYS A THOUSAND WORDS"

Today's facilities engineers are saving hundreds of millions of dollars every year with infrared electrical inspections. Our professional infrared testing services can substantially improve profitability and reduce your operating, testing and maintenance costs by:

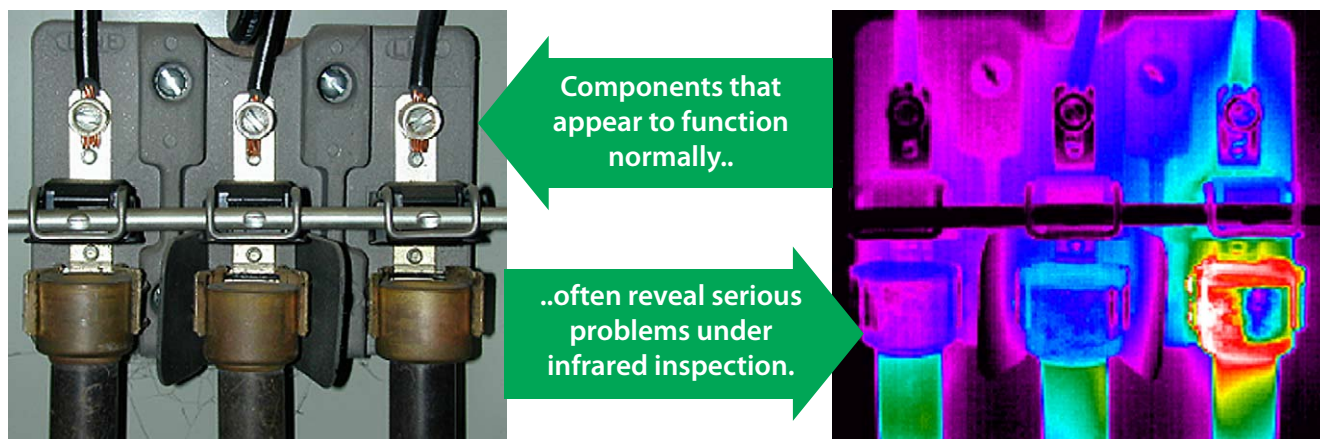
- quickly pinpointing problems
- reducing downtime and equipment damage
- preventing catastrophic failures
- establishing repair priorities
- improving maintenance efficiency
- testing under load to avoid costly shutdowns

Excess heat = Trouble ahead

In electrical systems, excessive heat is a sign of impending trouble. High temperatures indicate excessive electrical resistance, worn components, lubrication failure, or other common problems that can lead to expensive or even catastrophic failures. Trying to find these incipient failures with visual and manual inspections is a costly, time-consuming process that may not locate the underlying problems.

Professional Thermography: Fast, accurate detection

Using cutting-edge infrared detection technology, our Certified Thermographers rapidly and accurately pinpoint the thermal anomalies that threaten the safety and reliability of your electrical and mechanical systems.



Thousands of points can be inspected in a single day. In a matter of hours, our professional infrared testing can develop a complete catalog of the hidden thermal stresses in your operating equipment.



STATE CERTIFIED ELECTRICAL CONTRACTORS

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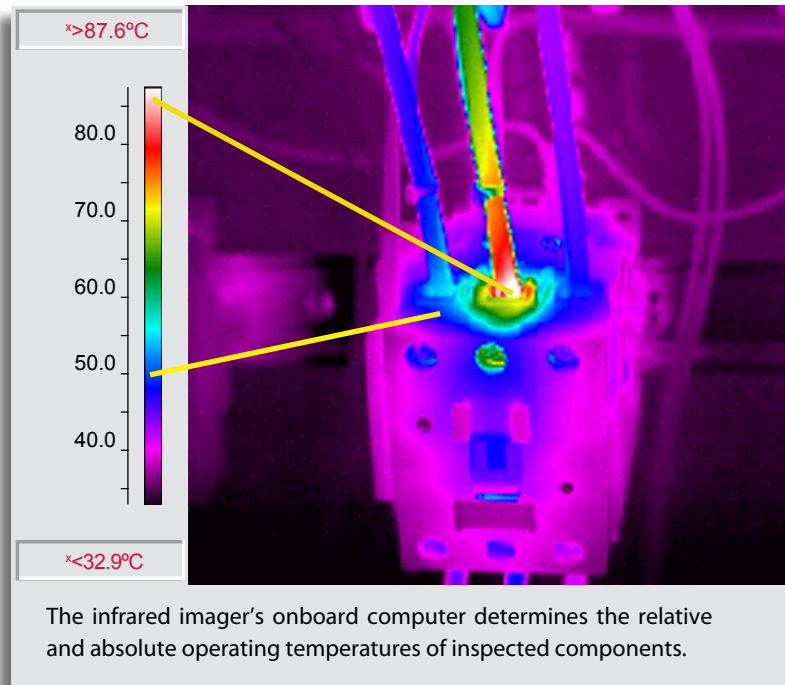
Certified Thermographers

EC13005221

www.tri-systemsgroup.com • 305-591-4266 • Fax: 305-517-1415 • info@tri-systemsgroup.com

INFRARED INSPECTIONS

"CATCH IT BEFORE IT HAPPENS"



Establish Repair Priorities

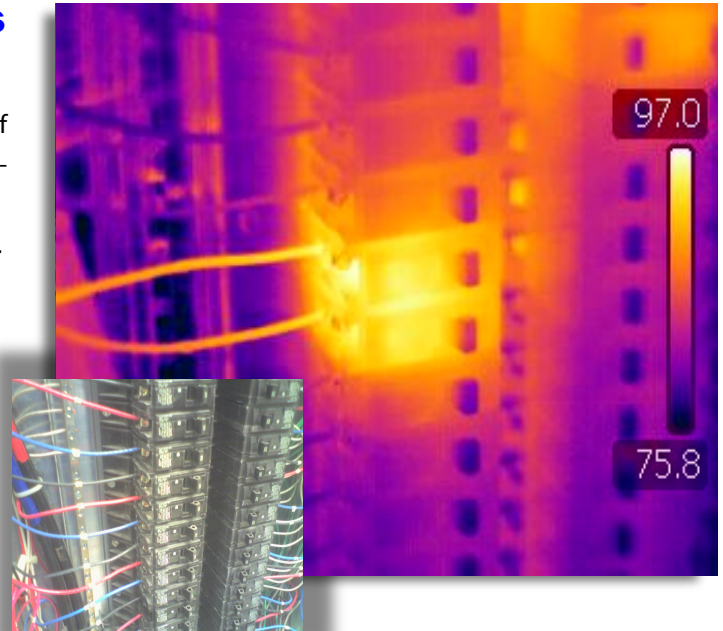
An effective preventive maintenance program saves money and boosts profits by scheduling repairs before expensive emergencies arise. Infrared inspections can help you differentiate the relatively few real problems in a system from thousands of potential problem areas. Our testing reports establish the urgency of needed repairs with a 4-step system of priorities, based on the nature of the equipment and its temperature increase over ambient conditions. Our clients have significantly improved their maintenance productivity by using our reports to improve the targeting and scheduling of their repairs.

More Money Saving Benefits

- **Immediately Cost-effective:** Professional thermography delivers the best "bang for the buck" of all predictive maintenance technologies. Our electrical inspections find hidden incipient failures that would have cost several times the survey investment. Locating and eliminating even one or two of these potential failures can more than pay for the service.

- **Safe, Flexible, and Scalable:** Even equipment operating at high voltages or temperatures can be quickly and accurately inspected. Because infrared thermography is a "remote sensing" technology, systems of almost any size and configuration can be safely and accurately tested.

- **Proven Predictive Maintenance Technology:** Infrared thermography is a proven scientific method for the detection of impending failures. Since their introduction in the early 1970s, infrared surveys have given facilities managers the power to predict and prevent failures—to actually see problems before they happen. Infrared inspections have become an integral part of effective maintenance programs at commercial, industrial and institutional plants across the country. Manufacturers, healthcare facilities, property managers and utilities are just a few of the industry groups that have come to rely on the cost-saving benefits of routine infrared inspections.

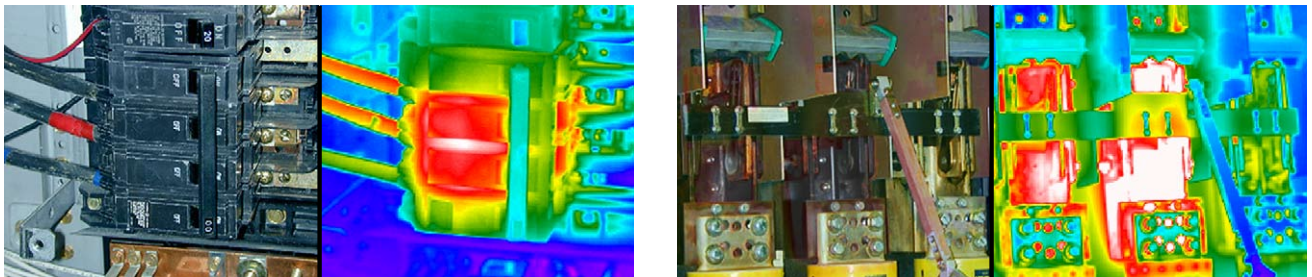


INFRARED INSPECTIONS

"REDUCE COSTS, DOWNTIMES, FAILURES, EQUIPMENT DAMAGE"

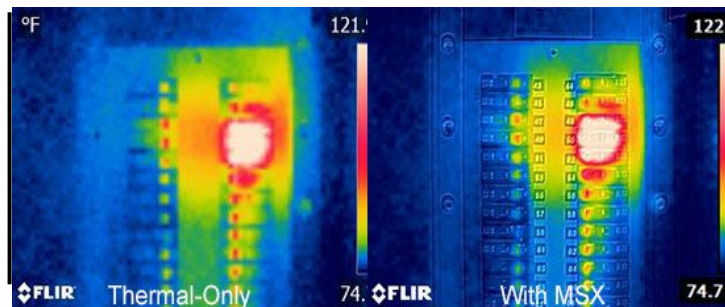
Pinpoint Hot Spots in Electrical Systems

- Reduce Down Time and Increase Profits
- Substantially Reduce Unscheduled Outages and Losses
- Reduce Electrical Energy Costs by Increasing Energy Efficiency
- Proactive, Predictive Approach Avoids Unscheduled Maintenance
 - Reduce Labor Costs by Targeting Problems



MSX TECHNOLOGY

- Identify Overheating Switchgear, Feeders, Circuits, Belts, Overloads, etc.
 - Target Problems Due to Loose Connections, Wiring Overloading
 - Substantially Reduce Risk of Catastrophic Equipment Failure
 - Proactive, Predictive Approach Avoids Unscheduled Maintenance
 - Cut Costs and Improve Profits by Reducing Downtime



For Service **CALL**
(305) 591-4266

TRI SYSTEMS
Group, Inc.



State Certified Electrical Contractors

WWW.TRI-SYSTEMSGROUP.COM ECL3004720 / ECL3008221

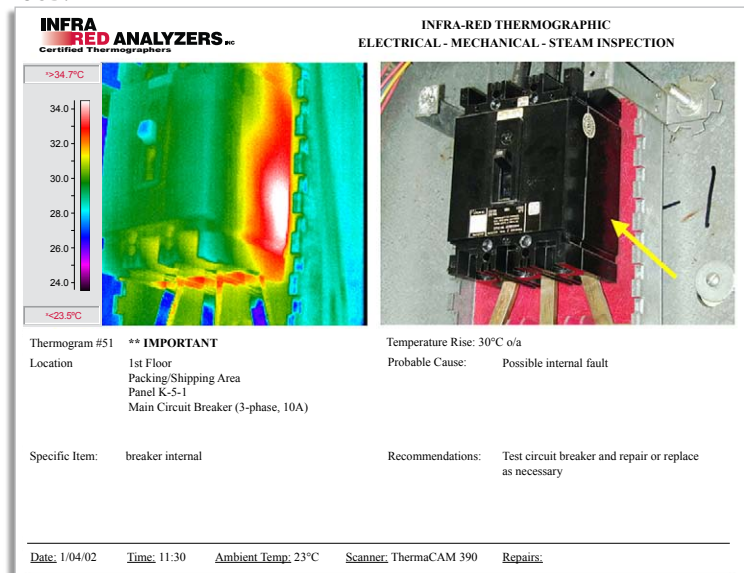
INFRARED INSPECTIONS

**"CALL US TODAY FOR
A FREE ESTIMATE"**

What You Get..

Our professional testing reports lead the industry in quality, accuracy and detail. When you order an Electrical Infrared Inspection from Tri-Systems Group, Inc. , you will be receiving your completed test results in a printed full-color bound report as well as Electronic Files in a CD-ROM or USB.

- **Complete Equipment List:** All inspected equipment is listed with detailed references to location and specification.
- **Photographic Documentation:** All detected problems are documented with full color infrared and conventional photographs.
- **Repair Guidance:** To help you get the most out of your inspection report, we establish repair priorities, note probable causes, and provide recommendations for corrective action.



Equipment Recommended for Infrared Inspection:

Transformers
Disconnects
Main Switches
Switchgear
Relays
Bus ducts
Main Breakers

UPS systems
Motor controllers
Fuses
Power panels
Lighting panels
AC & DC drives
Splices

Breakers
Contactors
Motors
Generators
Transfer Switches
Disconnects
PLC Boards

Do you have questions about Infrared Inspections and how they can prevent catastrophic failures and save you money? Please call us at **305-591-4266**.



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