

JC TERMOGRAFIA RD

INFRA-RED SCANNING

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Server Farm



Electrical Subsystem



INFRARED SCANS FOR

- Pool leak detection
- Main incoming power system
- Power subsystems
- Solar panels and systems
- Computer server farms
- Building mechanical systems
- Water intrusion in walls and ceilings

Building Mechanical System



POSSIBLE COST SAVINGS AND BENEFITS

- Maintenance repair due to failure
- Water and chemical cost from pool leak
- Optimization of air conditioning
- Replacement cost of PC failure
- Building repair cost due to water leakage
- Incoming power failure
- Repair cost due to electrical fires
- Solar panel failure diagnosis
- Increased electrical safety for personnel

JC Termografia RD

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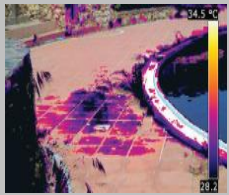
[JC Termografia RD/fbook](https://www.facebook.com/JCTermografiaRD/)

THIS IS WHAT WE DO

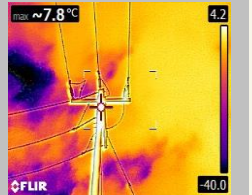
An electrician with 25 years of experience will come to your premises armed with a sophisticated camera that uses infra-red technology to detect heat. Most electrical or mechanical parts that are damaged or ready to fail will generate heat. The camera will detect this heat and show it in graphic form. After capturing images of your systems we then prepare a written report showing which equipment was inspected, problems that were detected and give recommendations for your attention. Reports are available in English, Spanish, German, Russian and Italian. Translation to other languages available.

Is An Audit Expensive?

You may think that thermographic imaging inspections are costly... think again! A thermographic imaging inspection costs little compared to what it might save. The low cost spent up-front on regular inspections could save many thousands of dollars in the future for equipment replacement and lost revenue.

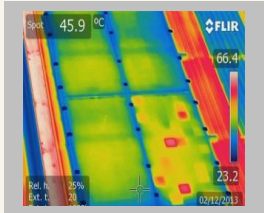


POOL
LEAK

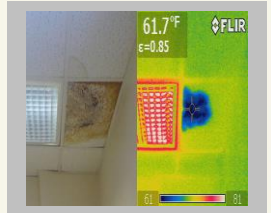


INCOMING
POWER

SOLAR
PANEL



ROOF
LEAK



What's Involved?

Electrical Inspection

We take thermal images of circuit breakers, switches and connections inside your switchboards. Deterioration is usually accompanied by an increase in resistance. This increase in resistance appears as heat, which is invisible to the naked eye, but which can be “seen” by the infrared camera. As the resistance to the flow of current increases, so the temperature will continue to rise until a failure occurs. This is always costly and quite often poses a serious fire risk. Infrared thermography plays a vital role in identifying a wide range of problems in your electrical system including:

- Potential fire hazards
- Faulty or loose connections
- Oxidization on connections
- Melting cable insulation
- Faulty disconnect switches
- Motor Overloaded
- Hot Computer server enclosures

Mechanical Inspections – pumps and motors

Under normal operating conditions, all machinery generates heat. However, excessive heat can be generated from friction caused by inadequate lubrication, misalignment of couplings, over or under tension of belts, and bearings nearing end of life. Because temperature is one of the first observable parameters to indicate the health of a component, thermographic inspection is an excellent choice for monitoring the condition of your mechanical components.

Mechanical Inspections – Pools

Pool leaks can be detected due to colder pool water leaking into the surrounding area. By thermographic scanning of the pool water temperature and the surrounding pool edge a difference in temperature along the pool edge may indicate the presence of cooler water, which may be due to water leakage. This can be a cost effective leak detection solution.

