

Other Services Provided:

PowerLogic offers the following services:

- Electrical safety inspections;
- Energy/demand management and cost reduction;
- Power problem solutions;
- Shock investigations (people and/or livestock);
- High Voltage installation management;
- Policy and procedural development for electrical issues;
- Electrical training and assessment.

Please don't hesitate to contact us if you need help in any of these areas.

To arrange a thermal inspection of your electrical equipment contact:

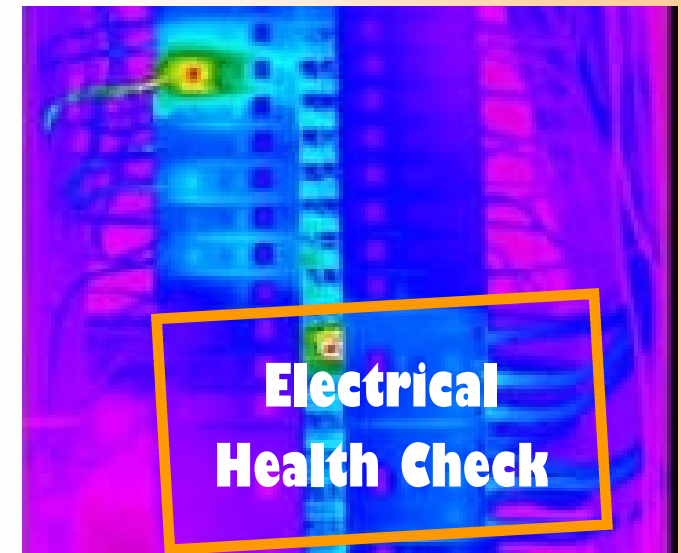
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electrical consulting & training.



electrical consulting & training

Thermal Imaging of Electrical Equipment



What is Thermal Imaging?

Thermal imaging is the use of a special and expensive camera to take pictures of items that emit infra-red radiation/heat.

It can be used for lots of purposes but is especially beneficial for identifying electrical problems.



A thermal imaging inspection being carried out.

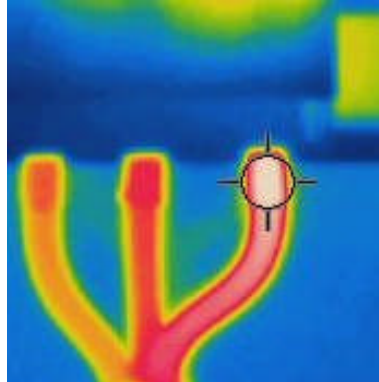
What are the Advantages of Thermal Imaging?

Thermal imaging is non-invasive testing, so normal operations can be carried out whilst the thermal imaging inspection is performed.

Thermal imaging allows many types of electrical and mechanical faults to be identified before they cause disruption to operations at the premises. These may include:

- Burning electrical connections in switchboards or control panels;
- Faulty bearings in motors;
- Overloaded wiring;
- Overloaded transformers;

- Overloaded motors;
- Excessive harmonics overloading power factor correction capacitors;
- Burning connections or equipment in the power company assets.



A thermal image identifying a faulty connection on contactor.

Any repairs needed to repair problems identified by the thermal inspection can be prioritised and scheduled to minimise disruption to operations e.g. repairs can be performed after hours or on weekends.

Thermal inspection can also minimise damage to equipment, maximise profits, prevent fires and reduce insurance premiums.

How often do we need to do maintenance?

Ideally it would be good to perform thermal imaging every six months. Practically, we recommend annual maintenance checks but it will depend on the age and condition of electrical equipment. Inspections should be carried out more often if faults are occurring or if a lot of problems are identified at each inspection.

Why Electrical Inspection Specialists?

We specialise and are experts in the use of thermal imaging equipment.

We also have high tech electrical test equipment that allows us to track down the source of any problems caused by defects in the electrical supply.

A high tech logger being installed to identify a power problem.



Report Provided

We always provide a report of any defects identified by the thermal imaging so you can prioritise and schedule repairs.

How Do I Arrange a Thermal Imaging Inspection?

Simply give us a telephone call, email, fax or write to us.

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