

# Engineering Specialist Services – Assessment of plant Thermal imaging surveys



**We can provide thermographic surveys of electrical and mechanical systems. Infrared thermography is an effective predictive maintenance technology that quickly, accurately and safely locates problems.**

## What does the service include?

- Thermographic survey using the latest imaging equipment.
- Thermal and visual images of all defects.
- Listing of all equipment included in the survey.
- Report provided in electronic format.

Common applications include:

switchgear	bearings
electrical panels	gearboxes
circuit breakers	insulation breakdown
cables and connections	fluid leaks under insulation
motors	transmissions

## Who does it affect and why?

Thermal cameras are instruments that create pictures of heat rather than light. They measure infrared (IR) energy and convert the data to corresponding images of temperature.

Nearly everything that uses or transmits power gets hot before it fails. Whether viewing electrical components or carrying out mechanical inspections, thermal-imaging cameras can quickly locate hot spots, which occur prior to failure. Implementing a predictive maintenance program using thermal imaging can significantly reduce both maintenance and production costs.

## Our approach

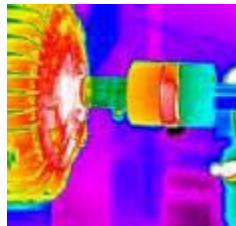
Zurich provides a comprehensive thermographic survey service for both electrical and mechanical systems. We are able to provide a completely impartial and independent service.

Thermographic surveys can be arranged by contacting our main office or simply speaking to your local Engineer Surveyor to arrange for someone to contact you to discuss your requirements.

From our main office in Birmingham, we monitor inspections performed by our nationwide network of Engineer Surveyors. They are supported by Senior Engineers who review the reports before they are issued to the customer, and provide technical support.



Electrical Surveys



Mechanical Surveys

**For more information  
contact us on  
0121 698 5880  
or visit  
[www.zurich.co.uk  
/engineering](http://www.zurich.co.uk/engineering)**

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