Electrical Thermal Imaging Site Survey

It is recommended that a thermal imagining site survey is carried out once a year.

A data centre thermal site survey is a cost-effective way to quickly identify and diagnose thermal issues, also known as hot spots.

Thermal imaging will identify known hot spot areas such as electrical cabling. Intermittent problems can be more easily traced, identified and corrective actions put in place.

Thermal imaging survey cameras and instruments will take high-definition photos which are collated, downloaded, and analysed to create a detailed report providing our findings, expert recommendations, and conclusions.

Thermal imaging inspections are crucial to ensure maximum resilience and continuity for IT services.

Secure I.T. Environments Ltd offer thermal imaging inspections that are non-intrusive and non-destructive and do not require downtime or lost production to your business.

This will help to improve electrical energy efficiency within the facility by helping to remove the common power and cooling issues such as:

- ✓ Unbalanced electrical circuits.
- ✓ LV switchgear overheating and harmonics.
- ✓ Loose cable and corroded connections.
- ✓ Circuit breaker loading and tripping faults.
- ✓ Cold and hot air flow path crossovers.
- ✓ UPS battery overtemperatures.
- ✓ Server rack air flow issues.
- ✓ Server cabinet hot spots.
- ✓ Air flow containment leaks.

Thermal imaging cameras will precisely locate and record hot spots or heat sources, often deeply buried in the electrical circuits, which can very quickly lead to electrical fires.

The thermal imaging site survey that Secure I.T. Environments Ltd recommend, will eliminate the risk of faults and hot spots using the latest infrared heat detection technology. Our specialist electrical trained engineers will detect potential faults and recommendations will follow if any further action is needed.

For all preventative maintenance visits, site specific RAMS will be sent in advance and a report will follow the visit with the findings from the survey.

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