



Thermography Audit for Data centers, Software companies, IT Parks and Buildings, Apartments, Cold storage Industries

Ensure uptime at all levels, Early detection of short circuits, Prevent from Fire accidents,
Improvement of Energy Efficiency and Establishment of Green Environment



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GO GREEN IMAGING TAG FOR YOUR DATA CENTER

Thermal Imaging, or Infrared Thermography services offered by Sachu Technologies identifies potentially serious equipment defect regularly invisible to the naked eye. Detecting equipment anomalies in the early stages ensures prompt remedial action before costly system failures occur. Importantly, infrared scans are non-intrusive and don't result in lengthy downtime or lost production to your business.

Why use this Service ?

99.999% uptime power supply good TIER Rating in data Centers as per TIA-942 standards is required. That is what IT (information technology) customers are looking for. Uptime or "availability" at data centers is an absolutely necessity. A loss in power to a data center can cost the owner millions, literally. The power, cooling and support systems are vital to the continuous flow of information in these "mission critical" facilities. IR/PM (infrared predictive maintenance) is a must.

Advantages with Infrared Thermal imaging services following:

- ➔ Inspect perforate tiles to help ensure proper placement
- ➔ Advise on hot aisle/cool aisle placement and a more efficient rack layout
- ➔ Measure room temperature and AC return temperature
- ➔ Inspect raised floor and ceiling tiles for air leaks that cause AC inefficiency
- ➔ Cost savings
- ➔ Early detection of potential faults,
- ➔ Building hazard reduction
- ➔ No down time(Maintain 99.999% up time requirement as per standards)
- ➔ Non-destructive



Imaging Surveys and Commissioning of Data Center Equipment

The Thermography commissioning/surveying process should include these types of equipment and considerations. The following infrastructure support equipment should be tested:

- ✓ Cooling systems, including chillers and all HVAC equipment
- ✓ CRAC (computer room air conditioning) units, UPS modules.
- ✓ All distribution electrical panels, All associated switchgear.
- ✓ Emergency diesel generator systems, Battery banks, breakers and charging systems.
- ✓ ATS (automatic transfer switch) equipment, Resistive load banks and associated cables/connectors.
- ✓ Static transfer switches, Rotary UPS system, if applicable.,
- ✓ Transformers (utility and site), PDU (power distribution unit) equipment.

