



**DataCentIR.com**  
INFRARED THERMOGRAPHIC SERVICES

**What is DataCentIR™?**

DataCentIR™ is a Nationwide Network of Certified Infrared Thermographers, Engineers and Image Processing Experts.

DataCentIR™ is part of the United Infrared group, a national network providing full application specific thermographic services.

**Prevent downtime and reduce energy costs at your data center with infrared thermography**

Provide effective Cooling Strategies that lower your Energy Consumption and deliver the designed cooling specifications throughout the entire data center.

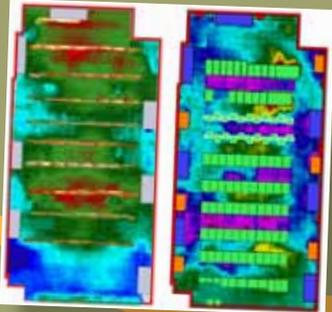
Reduce your Total Energy Usage and increase Cooling Capabilities. Areas of High Heat can be identified and addressed without affecting your Data Center operability. Making your HVAC system more efficient will reduce your energy costs and save you money while making your Data Center more reliable.



[www.unitedinfrared.com](http://www.unitedinfrared.com)  
888-SCAN-4-IR

Reduce your Energy Consumption and improve your Cooling Capacities by optimizing your CRAC and HVAC system with Infrared Thermal Mapping.

Effectively and efficiently operating the power, cooling and support systems is vital to the continuous flow of information in your mission-critical facility.

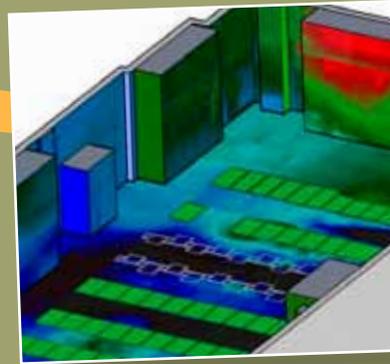
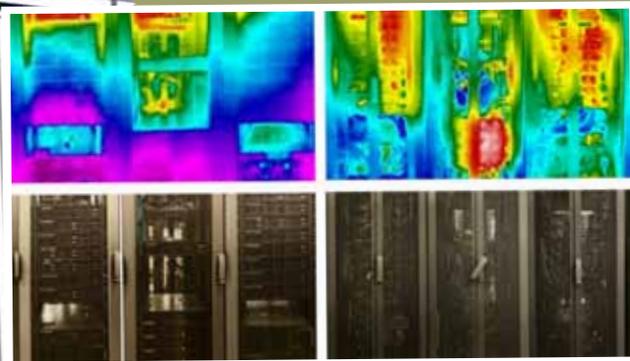




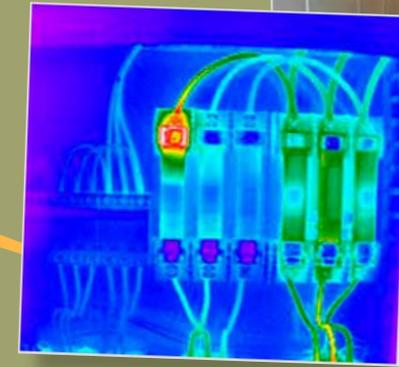
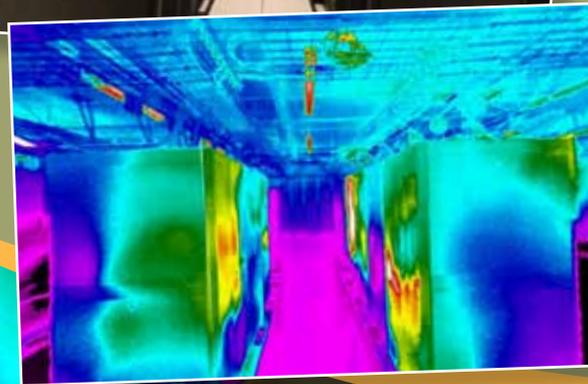
### Thermal MapIR™

Thermal MapIR provides a heat centric view of the overall thermal performance of your facility.

Thermal mapping can be used for commissioning new facilities, validating CFD modeling, troubleshooting a cooling problem and progressive monitoring in existing facilities.



Large scale panoramas and mosaics give you a new context that traditional individual IR images cannot provide. By viewing the servers, floor, walls and ceilings in a data center from every angle, problems can be found, documented and repaired.



### P/PM for Electrical Mechanical Equipment

Infrared thermography is used to perform **P/PM inspections** on electrical equipment. Excess heat on electrical apparatus indicates electrical faults such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses and a wide range of other unwanted electrical conditions. By performing Infrared Surveys during resistive load and battery testing, data center equipment can be commissioned with proper documentation.

Before an electrical component fails, it heats up. Thermography is used to see the excess heat so that maintenance personnel can act to correct the a problem before the component fails and causes damage to the system components, safety hazards and/or production downtime.

### IR Window Solutions by IRISS (Infrared Inspections Support Solutions)

IR windows allow for viewing Electrical Switchgear and Mission Critical connections through safe ports without touching the panels.