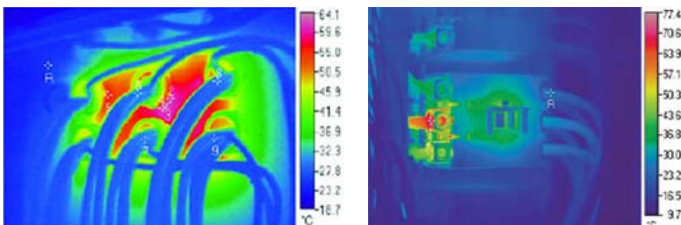INFRARED SCANS

Hot Spots in Your Data Center are a Sign of Emerging Problems

Hot spots can represent the deterioration of electrical connections due to vibrations, improper torque, corrosion and other problems. These hot spots show up easily in an infrared scan, allowing you to see where electrical connections and components have degraded and pose a risk to data center safety and availability. Infrared Scans are a valuable addition to your routine maintenance plan, providing early detection of problems before they result in equipment damage, business interruption, emergency maintenance costs and physical harm to your employees.

Early Detection Protects Your People and Your Equipment:

- *Infrared cameras are sensitive to thermal radiation and can detect and measure the temperature differences between surfaces of electrical connections and components.*

- *IR Scans are non-invasive, requiring no physical contact with the still energized equipment.*

With IR Scans You Can:

- *Pinpoint hot spots caused by loose or faulty electrical connections and components, so you can avoid an unplanned outage.*

- *Reduce disruptions to your data center environment.*

- *Identify emerging problems early enough for you to schedule corrective action and avoid emergency repair, thereby improving overall system availability.*

- *Further ensure safety in the workplace, preventing exposure of employees and contractors to faulty equipment.*
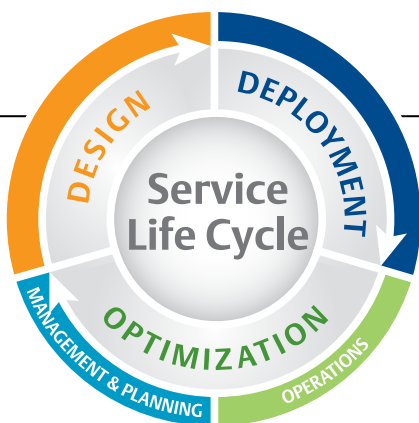

Performing an IR scan can alert you to potentially dangerous connections or faulty electrical components and allow you to take corrective measures before they become a problem.

Rely on the Most Qualified Technicians for Infrared Scan Services

All IR Scans are not created equal. Ours are superior, performed by qualified field technicians from Emerson's Electrical Reliability Services (ERS) group. Located throughout the United States, ERS technicians are certified by the InterNational Electrical Testing Association (NETA), ensuring ongoing education and adherence to strict standards in safety and electrical testing knowledge.

- **Expertise** — *We are industry leaders in electrical testing techniques. With more than 40 years in electrical testing experience and state-of-the art tools, we deliver accurate analyses of IR scan results.*

- **Comprehensive Reports** — *You'll receive a full-featured report containing:*

  - *Inventory of equipment tested (description, manufacturer, model).*
  - *Images showing discrepancies between area of concern and reference area.*
  - *Recommendations for corrective action.*

- **Safety and Compliance** — *Infrared Scans are recommended by ANSI/NFPA 70B Electrical Equipment Maintenance Standard and performed by NETA-certified ERS field technicians.*

Early detection of hot spots will increase data center availability

Service Life Cycle

DESIGN · DEPLOYMENT · OPTIMIZATION · MANAGEMENT & PLANNING · OPERATIONS

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