

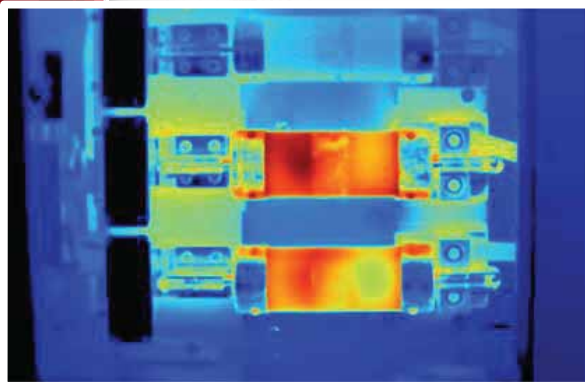


Emergency **POWER SYSTEMS** Management

Thermal Imaging Services

Thermal imaging, or thermography, detects heat patterns or temperature changes in objects. These changes allow the user to discover electrical problems prior to costly downtime, or monitor developing problems so maintenance can be scheduled during a planned downtime or when budget is available.

How do thermal imagers work?



Much like digital cameras, thermal imagers capture pictures, but instead of seeing visible light like digital cameras, thermal imagers use a detector to measure infrared energy. These measurements are then used to create a thermal image by assigning colors to correspond with certain temperatures (*see top photo*). A faulty or improper electrical connection can generate additional heat and therefore reduce system efficiencies. This condition also has the potential to cause more serious damage - it is the biggest cause of electrical fires!

All electrical connections deteriorate over time, so it is important to establish a baseline and conduct scheduled scans to be as proactive as possible. Thermal imaging

can be utilized to detect and then repair in advance so as to prevent any such failures.

In addition to the benefits of electrical maintenance testing, **PM Technologies** employs the use of thermal imaging to quickly and accurately diagnose issues with your Emergency Generator. This saves you time and money by allowing us to focus directly on the problem and making the proper corrective action more effectively.

Benefits

- Increased Productivity with Less Downtime
- Reduced Risk of Equipment Failure
- Predictive Repairs
- No Infrastructure Investment
- Focused Diagnosis and Recommendations



Call **800-419-5199** today to schedule a demo

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