

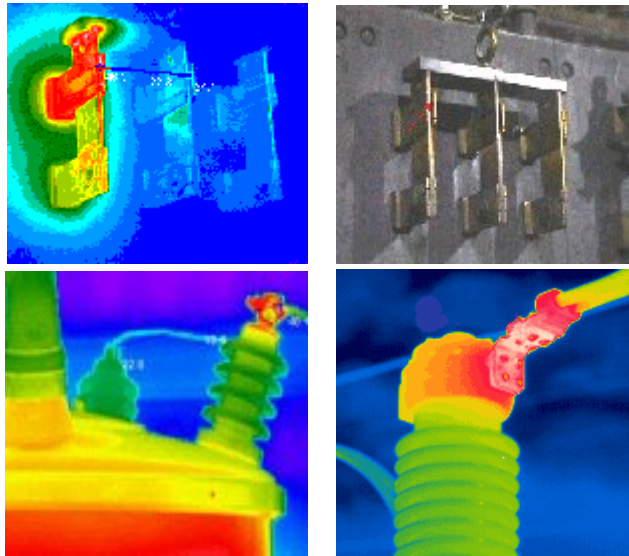
Infrared Thermography

Reduced Downtime and Higher Reliability from Electrical Systems

Similar to vibration monitoring, oil analysis and other forms of non-destructive testing, Infrared (IR) Thermography is a simple and cost effective test that can prevent catastrophic equipment failures.

Dynamo Electric uses infrared imagers and experienced personnel to detect "**hot spots**" by scanning equipment in substations, transformers, cable terminations, MCC line-ups, distribution panels, and electrical motors. Problems are easily and quickly found and eliminated before they can cause system failure. The result is **reduced downtime and higher reliability from electrical systems.**

It works by taking a thermograph or a "**thermal image**" which reveals components that are overloaded or faulty. Working on the simple principle that faulty components, or poor electrical connections, exhibit readily detectable temperature increases when compared to the ambient temperature profile, IR scanning quickly and easily locates problem areas that can be corrected before failure occurs.



Thermography verifies that electrical connections are properly made and are maintained. With minimal coordination with operations, our field service personnel are often able to correct the problems before leaving site.