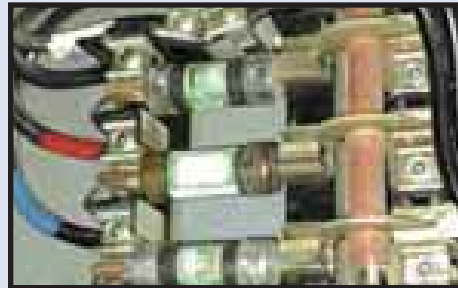


Powerful. Accurate. Visual.

Put the **Digital Infrared Service** to work for you!

Infrared Imaging

Preventing electrical or mechanical equipment failure has never been easier. Using the FLIR ThermoCAM®, a certified thermographer from Missouri River Energy Services can quickly measure and record the precise temperature differences in heat emitted from any object. High-resolution digital images are then analyzed to detect “hot spots” that are early indicators of a problem in electrical or mechanical equipment. An infrared inspection allows you to repair or replace the equipment before it fails or causes more extensive damage. Infrared technology is not new to most commercial or industrial accounts, but the “digital” infrared technology that MRES offers is—and it is very precise. Infrared imaging should be an important part of any predictive maintenance program.



Poor clip connection on center fuse

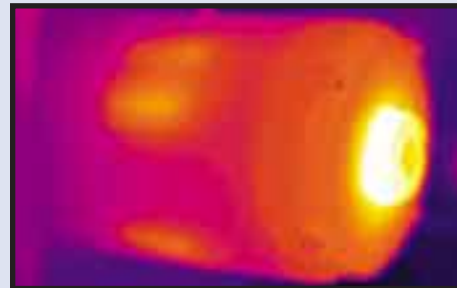


Reduce Downtime

Nearly all industrial plants experience unscheduled downtime resulting from the failure of an electrical or mechanical component. An MRES infrared inspection can help you reduce downtime by locating problems in their early stages, before they cause a failure. Once hot spots are detected, repairs or replacements can be made under controlled conditions—decreasing the possibility of unplanned equipment failure and avoiding costly production downtime. Use the MRES Digital Infrared Service annually to inspect breaker panels, motor control centers, switch disconnects, bus bars, transformers, building envelopes, capacitors, motors, boilers, steam systems, etc.



Overheated bearing on meter



Digital IR Is Better

Digital infrared imaging offers a clear advantage over other diagnostic tools because it is a non-contact method of detecting minimal temperature variations on equipment. A digital infrared camera produces an image where every pixel has an associated temperature. Minimum, maximum and spot temperatures are recorded digitally and can be pinpointed on the image to precisely locate problems. This substantially reduces the possibility of human error. The information remains fully analyzable after the inspection so future temperature comparisons can be made.

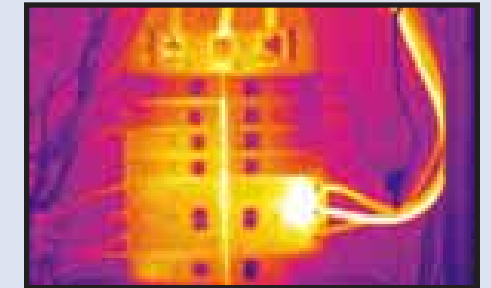
IR Saves Time and Money

The ability to reduce plant operating costs and unscheduled downtime is key in competitive industries. Studies have shown that dollar for dollar, investments in predictive/preventative maintenance and product quality programs yield immediate returns to a customer’s “bottom line.” Typical payback on IR services is realized within the first few months.

Infrared inspections should be conducted yearly to spot temperature increases, and diagnose new potential problem areas while they are small and manageable. Critical operating equipment and/or special process machinery should be inspected more often to insure maximum efficiency.



Poor connection and overloaded breaker



Sign Up Today

A certified infrared thermographer from Missouri River Energy Services will conduct the inspection at your site using the state-of-the-art digital infrared camera. An electrician or maintenance person from your staff should accompany the thermographer to properly identify each piece of equipment.

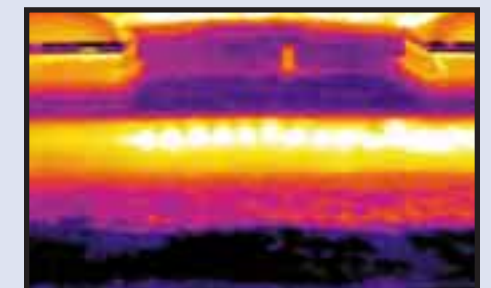
Schedule this quick, easy and non-intrusive predictive maintenance service today, and start your company on the path to saving time and money.



Overheated hinge on disconnect



Heat loss due to lack of insulation



Take time now to **Save Money Later!**

