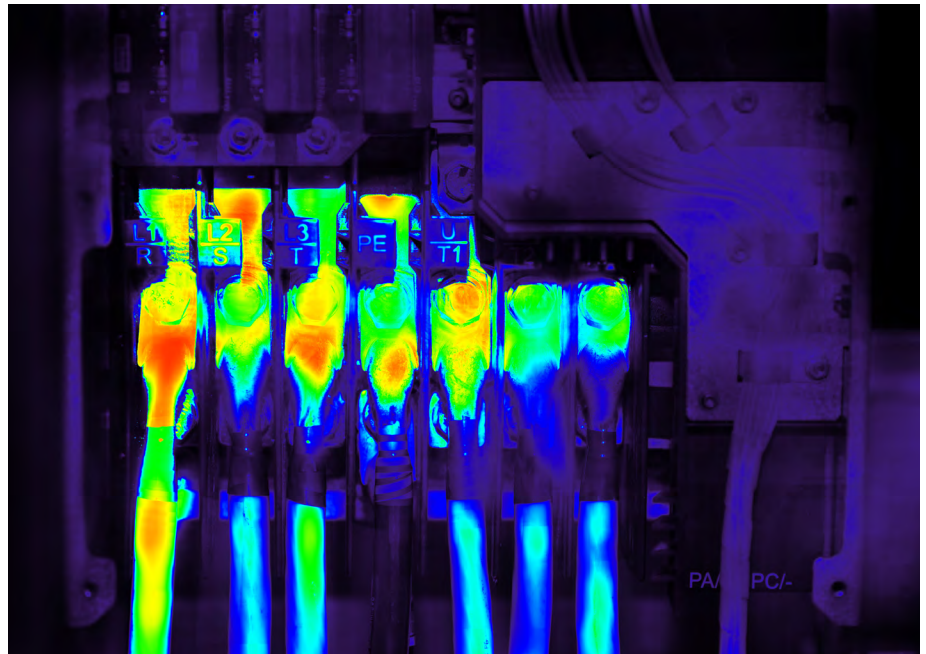


# Nationwide's Infrared Thermography service can help prevent loss.



Unscheduled downtime or unwanted power disruption can be costly to a commercial business. Establishing a predictive/preventive maintenance program can help avoid those situations. Nationwide Loss Control Services can provide assistance with an Infrared Thermography survey to help prevent disruptions.

Infrared Thermography is an invaluable service that identifies heat signatures on machinery and other objects. These heat signatures can indicate damage to equipment that may ultimately result in costly damage or a disruption in workflow.

## Benefits of an infrared thermography scan.

- Reduce probability of unscheduled downtime
- No service interruptions during infrared scanning
- Lower repair cost
- Prevent catastrophic failures
- Lower chances of a claim

For an electrical scan to be beneficial, the electrical components should be energized/loaded as close to fully operational as possible at the time of the scan.

Many component scans require the opening and closing of energized panels by a qualified electrician. The qualified electrician shall be provided by the facility being scanned and shall wear proper Personal Protective Equipment. The qualified electrician shall be familiar with standards including NFPA 70, 70B and 70E.

### Targeted electrical components.

- Electrical panels, such as fused disconnects, circuit breakers, Modular Multilevel Converters (MMCs), etc.
- Transformers - terminal connections, bushings, and cooling oil-filled transformer radiators.
- Fuse blocks
- Exposed bus bars
- Miscellaneous power boards and motor control relays.

Mechanical equipment, such as pumps, piping arrays, and bearings can be scanned. However, to determine anomalies, a basis needs to be determined and scanned using this equipment at different loads and times.

Boiler and oven casings can be viewed to detect insulation or refractory deterioration.

Buildings can be scanned to determine water absorption, water leaks in low-slope roofs, as well as insulation anomalies. Building scans shall be conducted in the evening or morning for the best results.

Upon completion of the thermographic scan the thermographer on site will discuss their findings and recommend any corrective action. Questions about our service and findings can be discussed and future thermographic scans considered.

A final report will be generated with the findings, which will include visual light and infrared photos, as well as recommendations for corrective action to the findings.

This Thermographic Service is a cost-effective predictive/preventive maintenance program for your facility as part of Nationwide Loss Control Services. Nationwide will provide a high level of Thermographic Service with our fully Certified Thermographers.



Providing solutions  
to help our members  
manage risk.®

For your risk management  
and safety needs, contact  
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