

# Benefits of Thermography



Electrical systems have a large loss potential, as they may make up a major portion of your property value, and their failure can result in extensive damages to property and equipment.

## Potential causes of electrical system failure:

- Loose connections within electrical panels on wiring contacts and component connections
- Deteriorated electrical and wiring connections
- Inadequate breakers

## If left uncorrected, these conditions could result in the following:

- Fires
- Damage to surrounding property and equipment
- Power outages
- Downtime of operations resulting in the loss of production, higher operating costs, dissatisfied customers and loss of profit.

In these incidents, Thermographic testing is a beneficial preventative maintenance procedure to minimize such loss exposures.

## Preventative Measures:

Thermography or Thermographic infrared scanning — when performed by an accredited technician - is an effective technique for detecting hot spots in electrical systems prior to equipment breakdown, allowing the severity of the condition to be graded for immediate or scheduled corrective measure.

Thermographic cameras produce an image of invisible infrared/heat radiation from a defective electric component(s) or connection(s) invisible to the human eye.

The higher an object's temperature, the greater the emission of infrared radiation detected. If higher than normal infrared radiation is detected, a schedule shut-down of equipment can be made to correct the problem prior to a failure occurring.

Thermography should always be performed by an accredited technician.

**Talk to a Loss Prevention Consultant - your best source for information and advice**

Interested in learning more about what you can do to protect your business? [Visit intact.ca/business-loss-prevention](http://intact.ca/business-loss-prevention)