

# ELECTRICAL THERMAL IMAGING

Is your electrical equipment keeping cool?

During a Thermal Imaging Assessment, an SMC Technician uses an infrared camera to measure temperatures in electrical equipment. Significant differences or elevated temperatures can increase the risk of electrical incidents. These incidents can look like:

- Loose connections
- Overloaded or imbalanced circuits
- Faulty breakers
- Damaged switches
- Faulty fuses

Being unaware of the safe operating temperatures of all electrical equipment in a facility can be very dangerous. Overheating can lead to catastrophic failures and costly:

1. Downtime
2. Emergency repairs
3. Unplanned capital expenditures

**An increase of only 18°F can cut the lifespan of your electrical equipment by 50%**

Act preventatively and identify faulty or damaged electrical equipment before it causes an electrical incident, putting your employees and system at risk. Routine Thermal Imaging Assessments can prevent detrimental damage.

**SAFETY**



## HOW IT WORKS

### 1. Equipment Inspection

SMC specialists inspect equipment and analyze the operational environment.

### 2. Thermal Analysis

An in-depth look at your electrical equipment to identify at-risk components.

### 3. Summary of Findings

A comprehensive thermal image report including a summary of findings and recommendations is provided.



*For more information, please visit  
[smcelectric.com](http://smcelectric.com)*

