



Have You Considered Infrared Technology for Your Building?



Infrared thermographic testing. This phrase sounds very complicated – but in reality, it can be a simple way to protect your business from the decreased productivity and downtime that could result from an unexpected equipment failure or building fire.

Revealing Hidden Defects You Never Even Knew About.

The electrical system in any building – including your business office, building or plant – is often taken for granted. When looking at electrical systems with the naked eye, it's impossible to see the hot spots and abnormal heat levels that can strain a system and start a fire. That means your building's electrical system could be in dangerous condition – without you knowing it.

But there is a solution to this problem. Through a process called infrared thermographic testing, heat or temperature readings can be obtained and evaluated. An infrared gun is a helpful early detection tool that is used to survey electrical temperatures emitted from electrical components and machinery. These surveys can detect heat variances caused by poor connections, faulty contacts and electrical overloads.

How Can My Building Benefit from Infrared Technology?

Over time, insulation thins and electrical connections can loosen... both of which are immediate issues that cannot be seen by the human eye and can increase your risk of a costly system breakdown or fire. These problems generate heat, also known as "hot spots," which can be detected by an infrared gun. **Minimizing your building's risks and maintenance costs**, infrared surveys can help you identify low-cost corrective actions, relative to the high cost of emergency, unscheduled maintenance and equipment repairs due to property damage from a loss.

Aside from the cost-saving benefits, the use of infrared thermographic tests can also help you **prevent downtime and lost productivity** by managing the equipment until the next planned shutdown, allowing you to plan for repairs in a proactive manner. Overheated electrical connections could cause a catastrophic mess if not properly taken care of from the beginning.

Lastly, proactively taking care of your equipment and building can help you **conserve resources** by allowing more efficient energy usage. While energy conservation savings typically aren't extensive, they are tangible and reflected in the bottom line.

How Does Infrared Technology Work?

Infrared surveys detect the level of temperature emitted by objects, even when the source is hidden behind drywall or other materials. These surveys can be accomplished with a portable infrared gun, and high temperatures (when compared to other electrical equipment and ambient temperature) alert the building owner if there is a need for an electrical inspection by a certified electrician or more sophisticated thermal imaging/scans.

Since nearly everything heats up before it fails, this is an extremely important and useful tool for building owners. By identifying which areas of the equipment are working properly and which areas are faulty, problems can be spotted and fixed before any serious property damage occurs.

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