



## Protecting What Matters Most: Safety Without Compromise

# Did you know?

Unplanned downtime can cost up to

**\$260,000** per hour

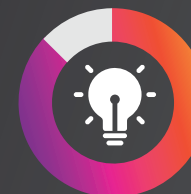


**80%**

Up to 80% of workplace accidents involve human error, often linked to inadequate training or unclear procedures

**\$43,000**

Average cost of a workplace injury in 2023



**84%**

of electrical failures can be prevented with early detection methods like thermal imaging.

## How does workplace safety benefit your business?

### Avoid accidents

Staying compliant may keep you legal, but it won't necessarily keep your people safe or your equipment running. Leading manufacturers go beyond compliance by embedding predictive tools into their safety routines, from thermal cameras and infrared inspection windows to acoustic imagers and reporting software. Compliance may help you avoid penalties, but proactive safety will help you avoid accidents.

### Right tools to reduce risk

Creating a safe workplace not only depends on how people behave, but also on the tools they use. The right inspection technology helps technicians detect problems earlier, reduce exposure to hazards, and carry out their tasks more efficiently.

Our tools improve both safety and workflow. When inspections can be done from a distance with high accuracy, there's less physical strain and less pressure to rush through the task.

### Turn data into insight

Thermal and acoustic imaging devices are the first step. But without a clear process, and without systems to analyze and communicate the results, insights can be delayed, misinterpreted, or missed altogether. That's where platforms like FLIR Thermal Studio and FLIR Ignite come in. They help standardize inspections, automate reporting, and ensure the right people get the right data at the right time.

### Hazardous area safety

Using tools that are not certified for hazardous areas can lead to serious consequences. A small spark, a high surface temperature, or even static electricity from a non-rated device can trigger an explosion in the wrong environment. Zone-rated tools are built to meet strict safety requirements. They are tested and certified to be used in environments where explosive gases, vapors, or dust may be present. Certifications like ATEX and IECEx confirm that a tool will not create ignition sources under normal operation.

## How do FLIR Solutions enhance safety and efficiency?



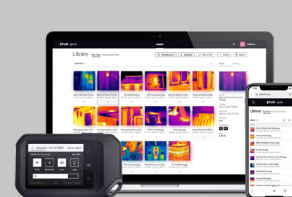
**Thermal Cameras** allow for inspections without physical contact, which is safer for workers, especially in hazardous environments.



**Infrared inspection windows** make it possible to inspect enclosed equipment carrying the risk of arc flash by keeping a physical barrier.



**Acoustic Imaging** allows teams to locate compressed air or gas leaks from a distance, eliminating the need for ladders, lifts or unsafe positioning.



**FLIR Ignite** enables inspection results to be stored in the cloud and shared instantly with wider teams, eliminating information silos and loss of data and makes collaboration more efficient.



**Thermal Studio** helps standardize inspections by guiding technicians through predefined routes and generating consistent reports.



**Certified cameras for hazardous areas** like the **Si2x** acoustic camera and **Cx5** thermal camera, allow workers to carry out inspections without leaving the safe zone or shutting down production.

More information [FLIR.com](https://www.flir.com)