



SEEING **RED** CAN
SAVE YOU **GREEN**

Infrared Thermography



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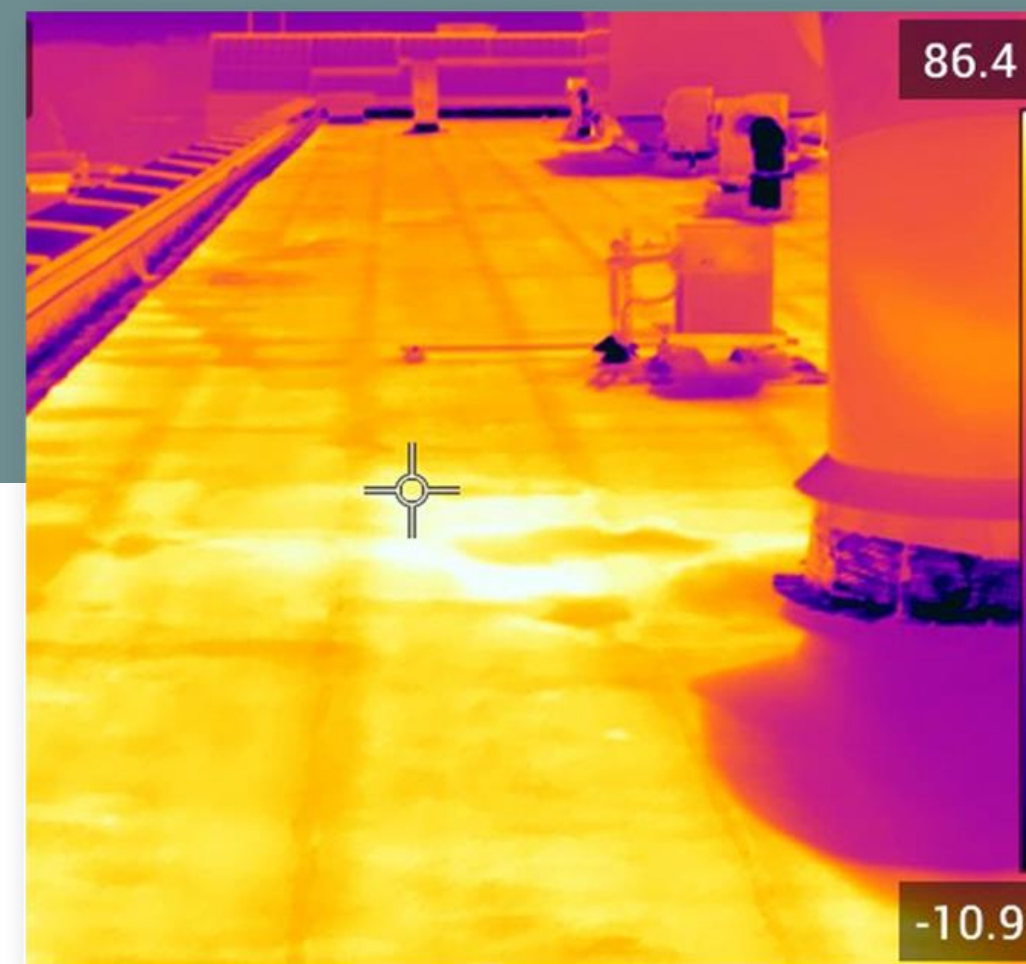


HOW IT WORKS

Developed in the 1970's, Infrared Thermography is the **scientific method of detecting radiation** (heat) from an object.

This process involves the conversion of this **infrared energy into a measurable temperature value**, which is then visually represented as an infrared image. These images are captured using specialized infrared cameras.

INFRARED THERMOGRAPHY

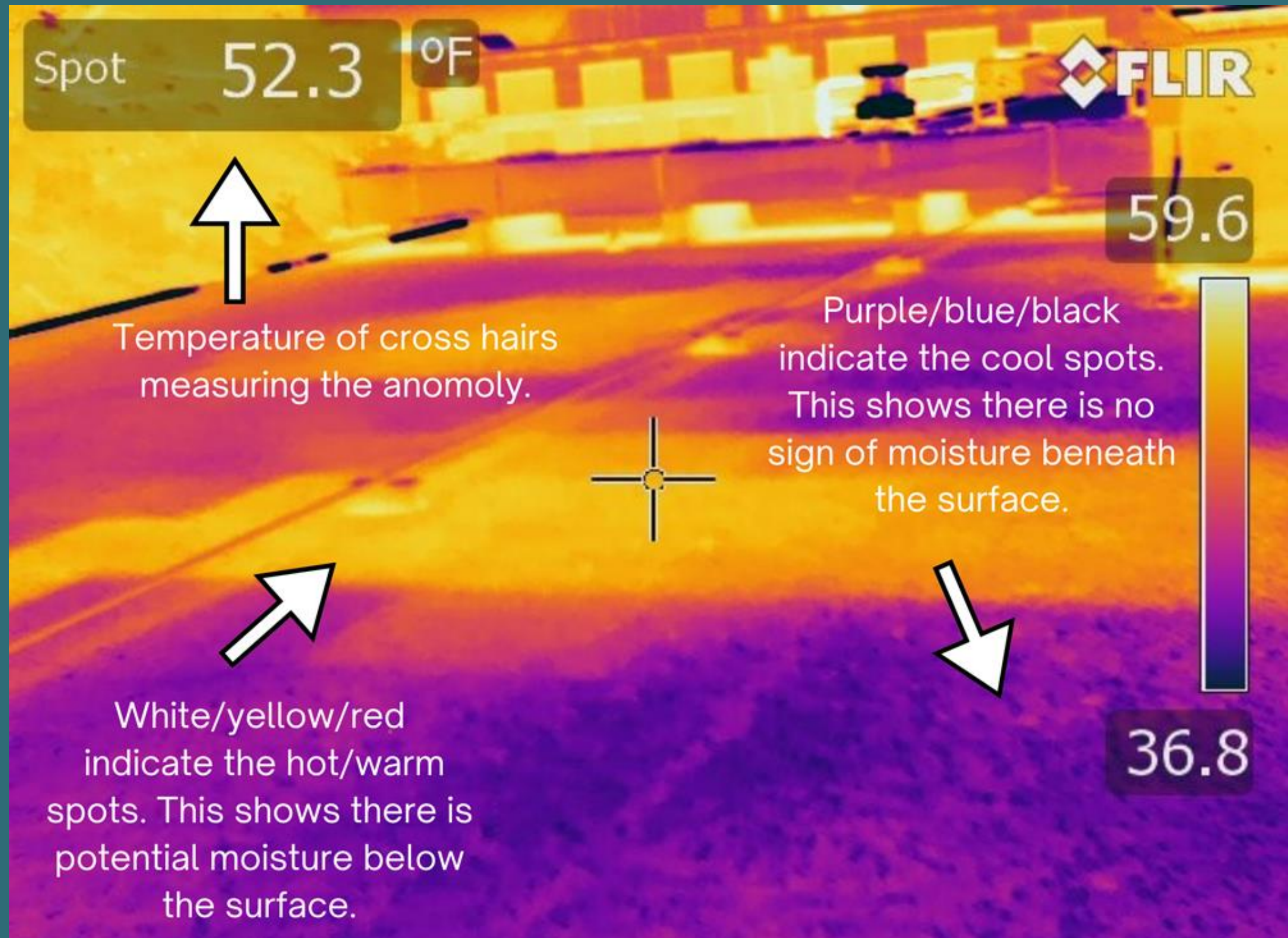


HOW IT WORKS

Color Indicators:

White/Yellow/Red = Hot/Warm

Purple/Blue/Black = Cool



KNOW WHAT TO LOOK FOR:

Just because it is warm or hot... does not mean it is a problem.





WHY UTILIZE INFRARED?

Hidden Moisture In A Commercial Roof Can Cause Devastating Damages Resulting In Costly Repairs

IDENTIFY

This technology can pinpoint areas of moisture intrusion and water damage that might **otherwise remain unnoticed.**

EARLY RESOLUTION

Prevents the escalation of damage, deterioration, and potential health hazards while **minimizing downtime** and extending your asset's lifespan.

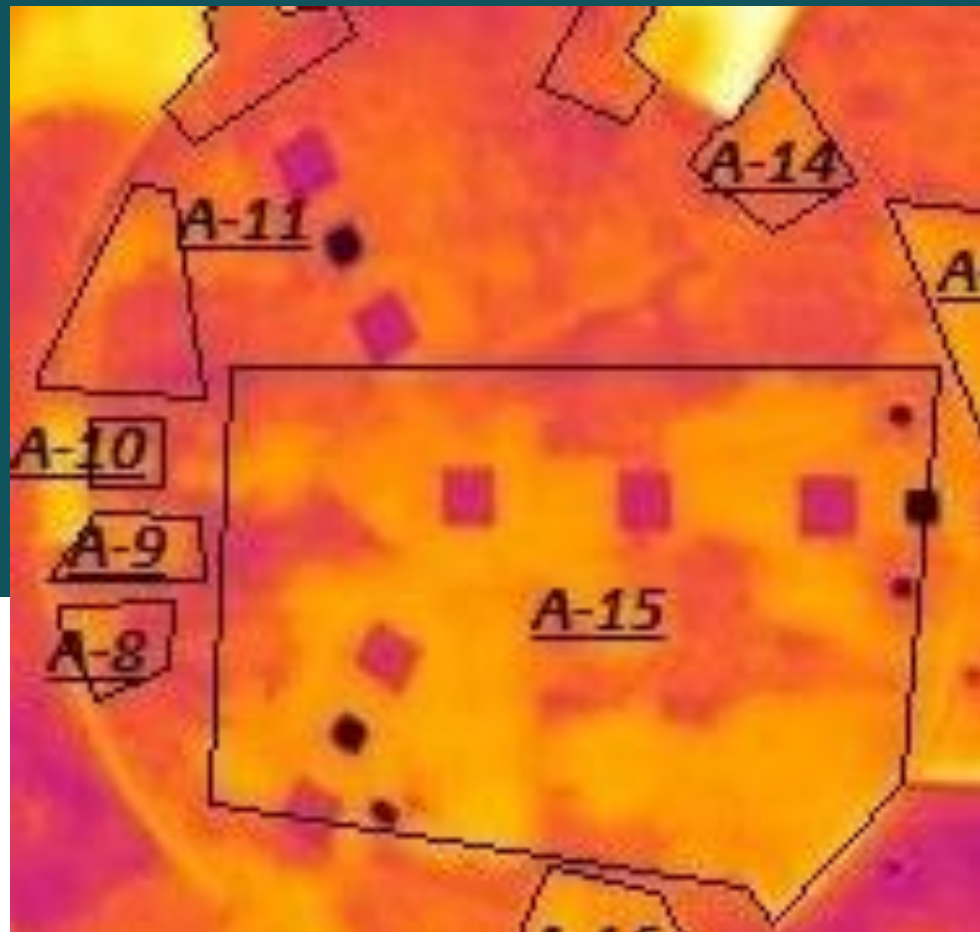
LONG TERM RESULTS

Enhance energy efficiency by identifying areas of heat loss associated with wet insulation. Regular inspections can prevent moisture-related issues from reoccurring and **extend the lifespan of your structure(s).**

INFRARED THERMOGRAPHY = PREVENTATIVE MAINTENANCE

Building Envelope

- Leak Detection



Electrical Panels

- Hot Spots

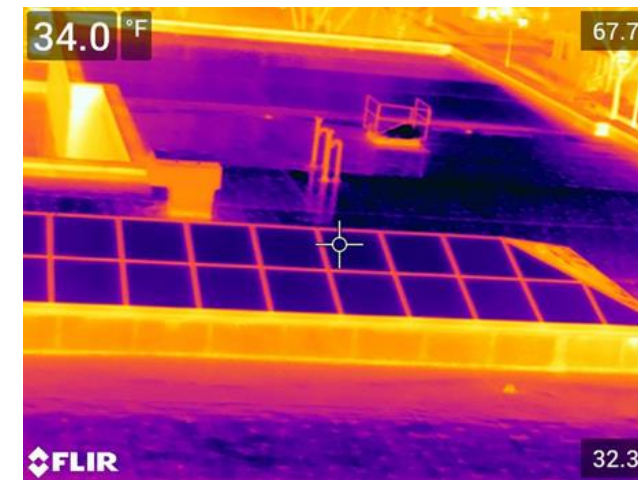




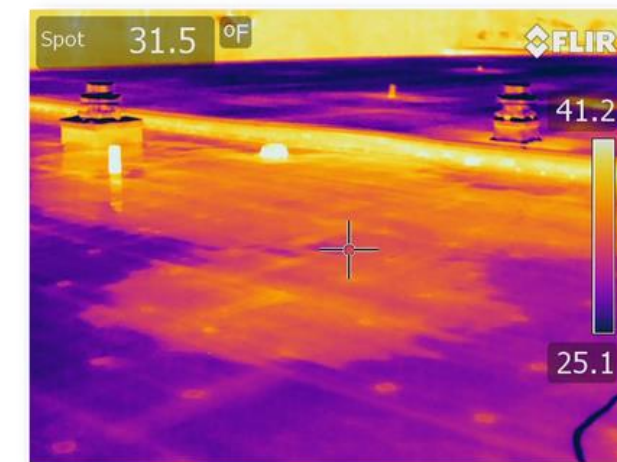
BUILDING ENVELOPE



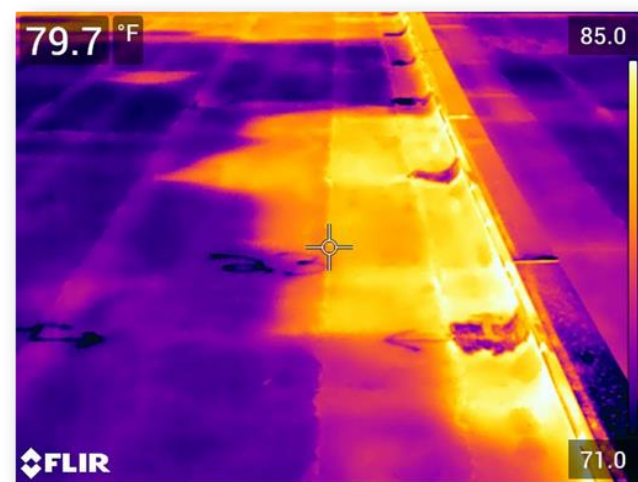
CANNOT SEE THROUGH OBJECTS



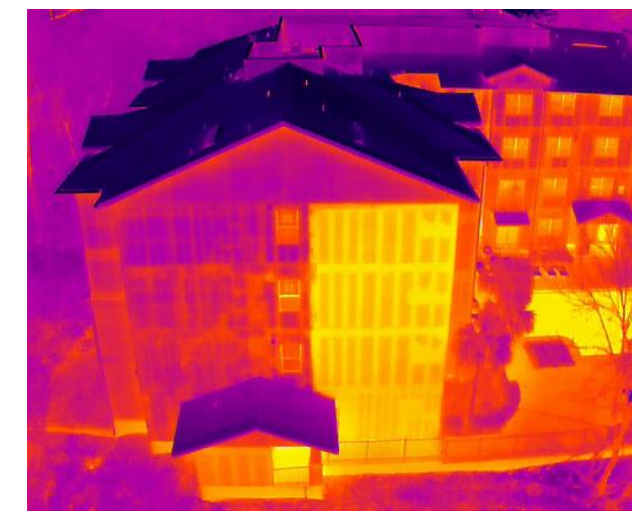
USED FOR ROOF SURVEYS



VISUAL THERMOMETER

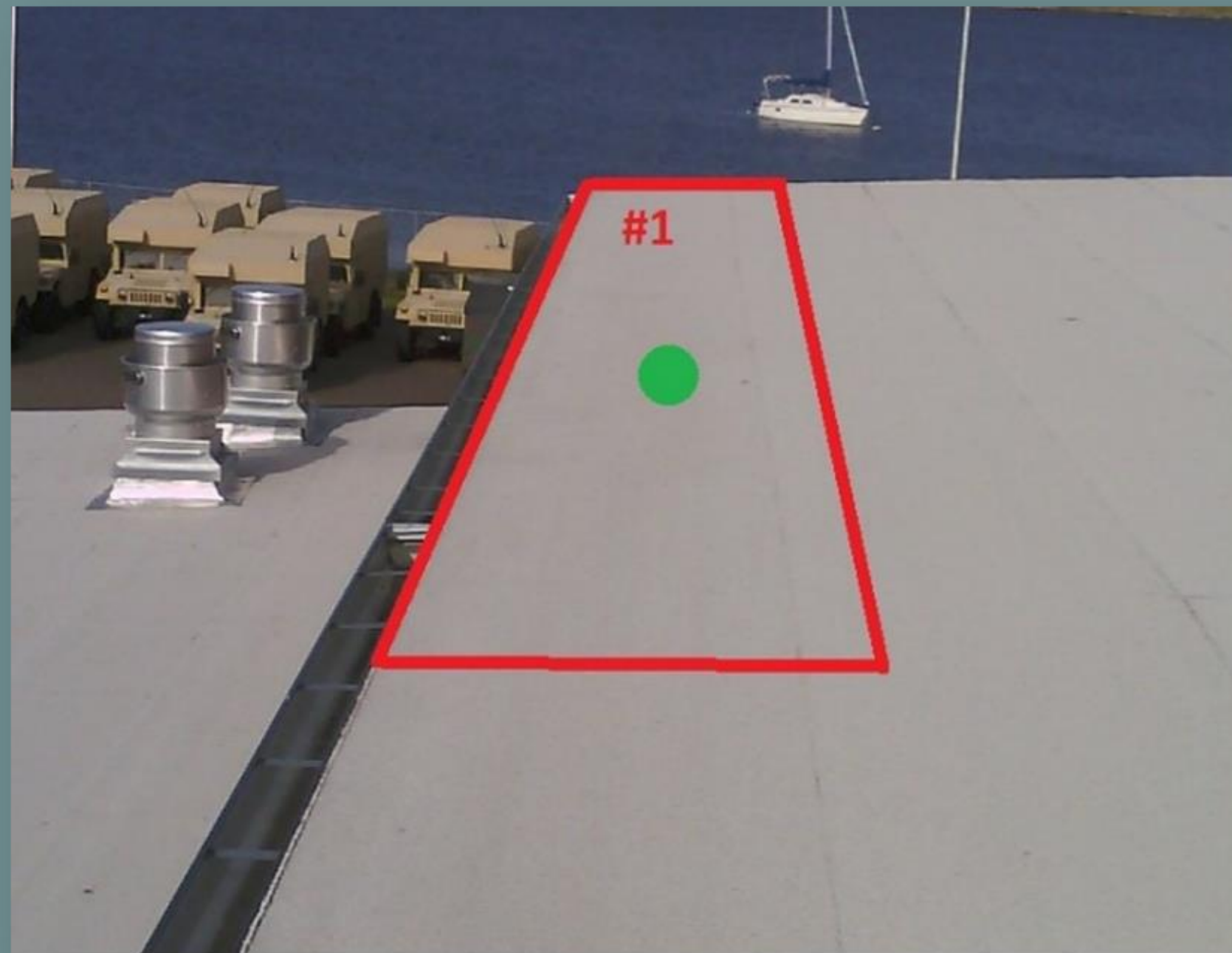


EXTERIOR FACADE



EXAMPLE 1

WHAT YOU SEE



WHAT IS ACTUALLY THERE

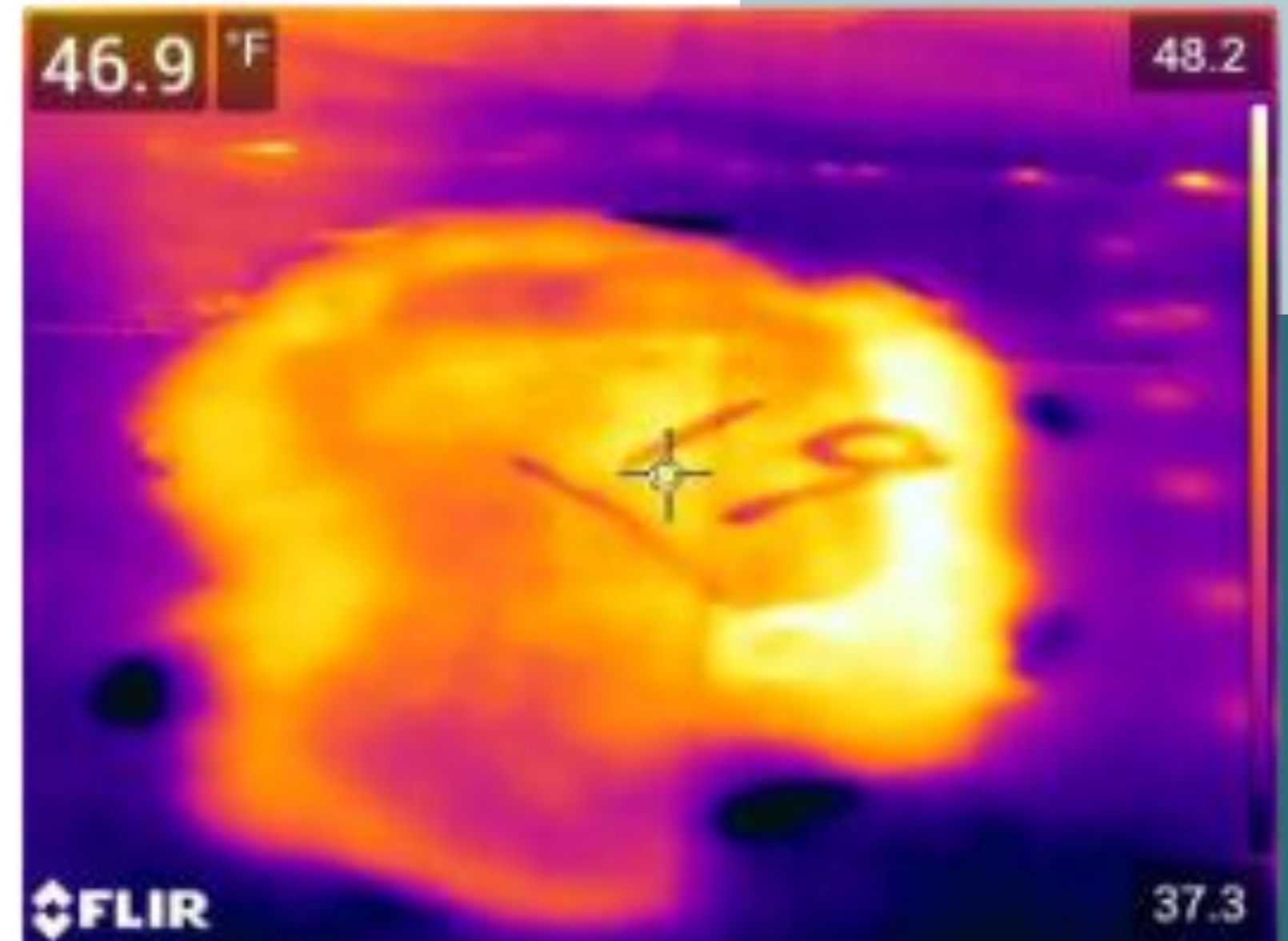


EXAMPLE 2

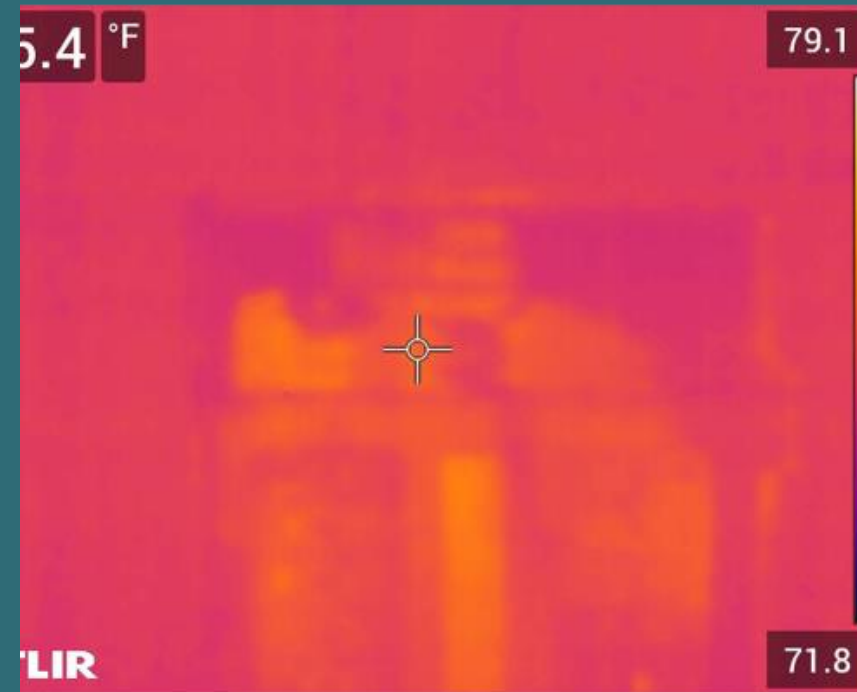
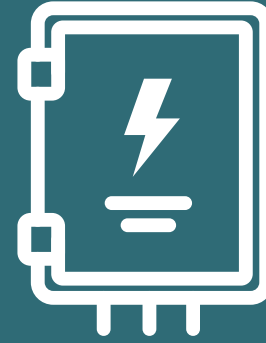
WHAT YOU SEE



WHAT IS ACTUALLY THERE



INFRARED THERMOGRAPHY: ELECTRICAL APPLICATIONS

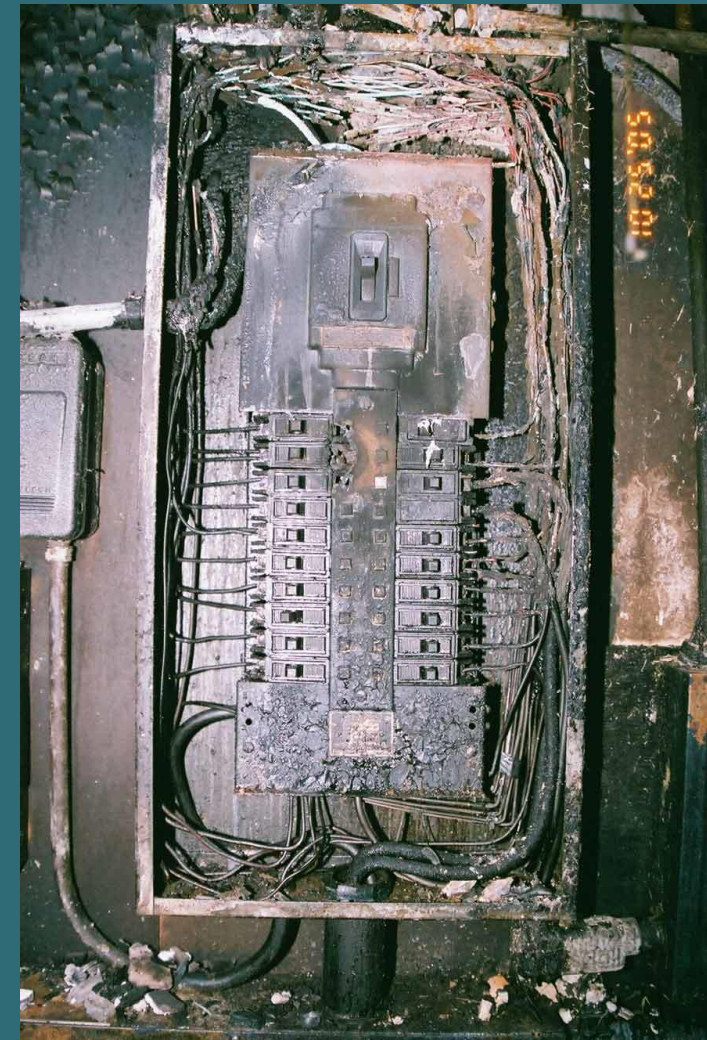


FIRE SAFETY COMPLIANCE

NFPA 70B prescribes annual infrared inspections for electrical systems.

A comprehensive infrared inspection can:

- Discover hidden defects
- Prevent unplanned failures
- Avoid business interruption
- Reduce equipment damage
- Limit insurance losses

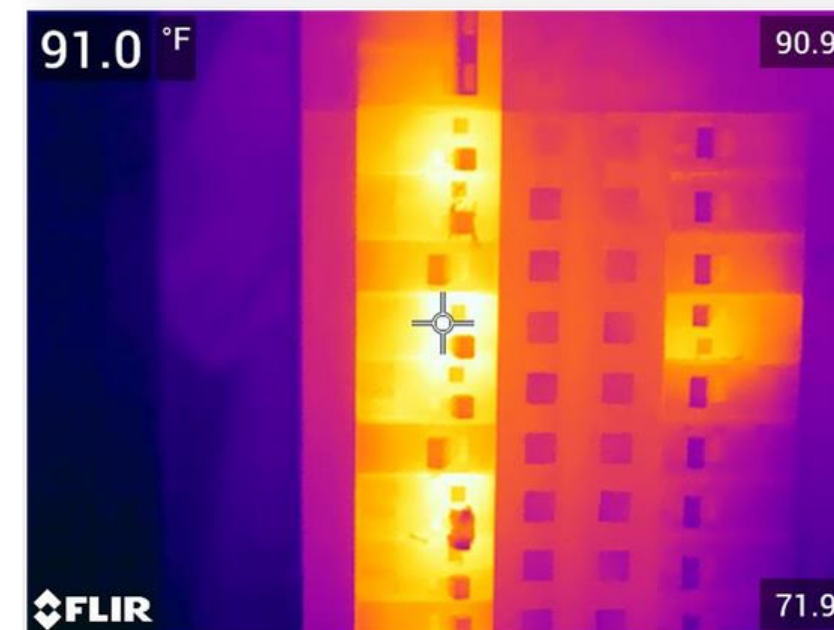


In some cases, your business might qualify for a **reduction in insurance premiums** by conducting annual predictive and preventive maintenance thermographic surveys, as the practice helps to minimize risk of insurance claims.

INFRARED THERMOGRAPHY ELECTRICAL

Infrared thermography is used to find areas of excess heat (caused by increased resistance) so that problems can be corrected before a component fails. This failure can cause damage to the electrical panel, **creating safety hazards and productivity loss.**

Infrared inspections help avoid reactive repair and replacement costs. By being **proactive**, you can help reduce operating costs, ensure safety with efficient equipment operation, and find opportunities for a reduction in energy costs.



On average, each infrared electrical inspection reveals **five to eight faults**, highlighting the relative affordability of this predictive service.



INFRARED THERMOGRAPHY

DEMONSTRATION



IRSC AT A GLANCE



Since 1999, IRSC's professionals have provided seamless services with **unbiased and uncompromised expertise**. We specialize in consulting services for any commercial building/property across the country. Whether you're seeking to extend, repair, or replace your property assets, our team of experts offers comprehensive support, from thorough inspections to innovative design solutions and unwavering quality assurance.

**CELEBRATING
25 YEARS**

**NATIONWIDE
SERVICES**





INTERSTATE ROOF SYSTEMS CONSULTANTS COMPANY HISTORY

1999 - PRESENT



2015

Current President and Owner, Dave Velcheck, bought IRSC. The company has expanded to 3 other states and has over 35 employees.



2019

IRSC introduced spray rig technology to our clients for speed and accuracy to our water leak investigation services.



1999

IRSC was founded in Elgin, Illinois and started with just four employees. In 2015 IRSC's headquarters moved to Wisconsin.



2018

IRSC introduced drone technology, increasing safety of our team and cutting visual assessment time and cost by 50%



2023-24

IRSC continues to innovate and grow as the market demands, including the addition of a licensed architect on staff.



THANK YOU!

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Wisconsin | Illinois | Colorado

