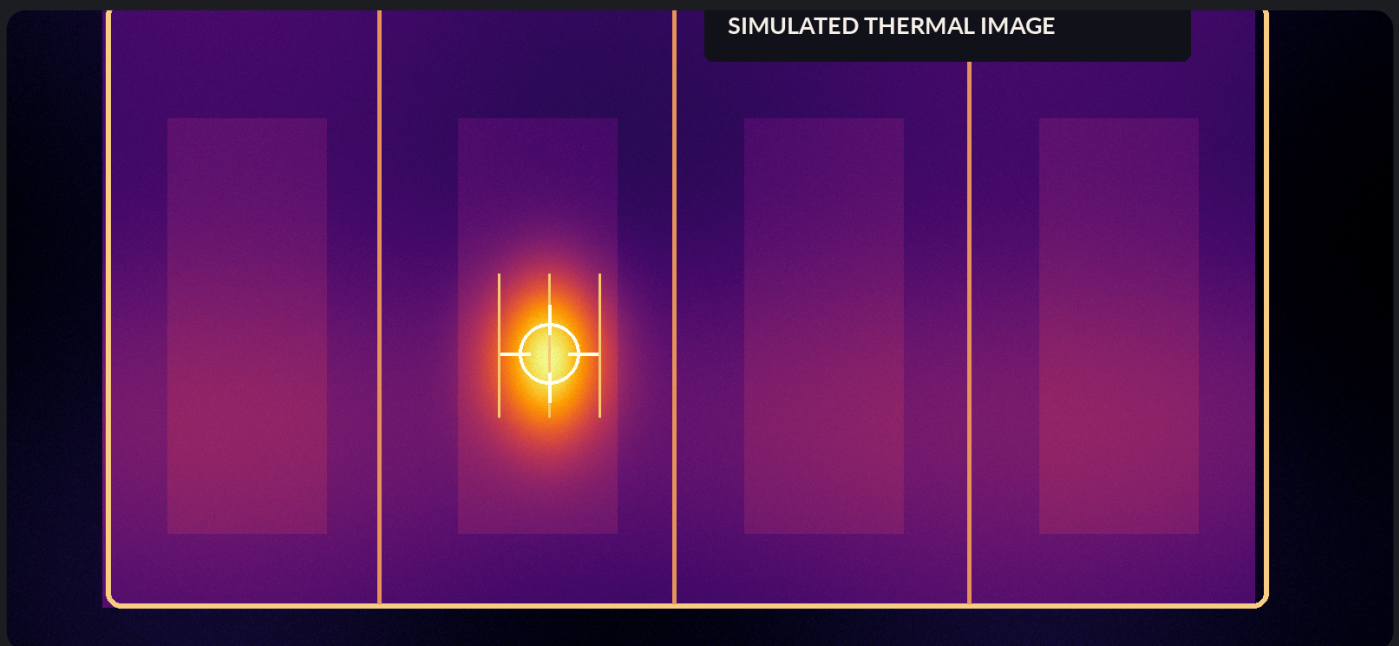


Electrical Thermography

Commercial equipment survey / Sample findings and reporting format



EXAMPLE PROPERTY

South Florida commercial facility

SAMPLE DATE

October 2026

REPORT CATEGORY

Electrical infrared survey

STATUS

Illustrative / not performed

Fictional project and simulated observations. Not a record of work performed.

01 / OVERVIEW

Survey summary

Illustrative sample of how a commercial infrared equipment survey may be summarized.

08

illustrative assets

03

sample entries

01

priority follow-up

SAMPLE PROJECT DETAILS

LOCATION

Example Commerce Center (fictional)

SURVEY PURPOSE

Maintenance screening

EQUIPMENT SCOPE

Panels, disconnects and switchgear

METHOD

Non-contact infrared imaging

ILLUSTRATIVE FINDING REGISTER

T-01

Panel LP-2 | phase B termination

Localized elevated thermal pattern compared with similar terminals.

Review

T-02

Transformer TX-1 | enclosure

Uneven surface heating shown in simulated example; confirm operating conditions.

Monitor

T-03

Panel DP-1 | feeder section

No unusual comparative pattern shown in this illustration.

Reference

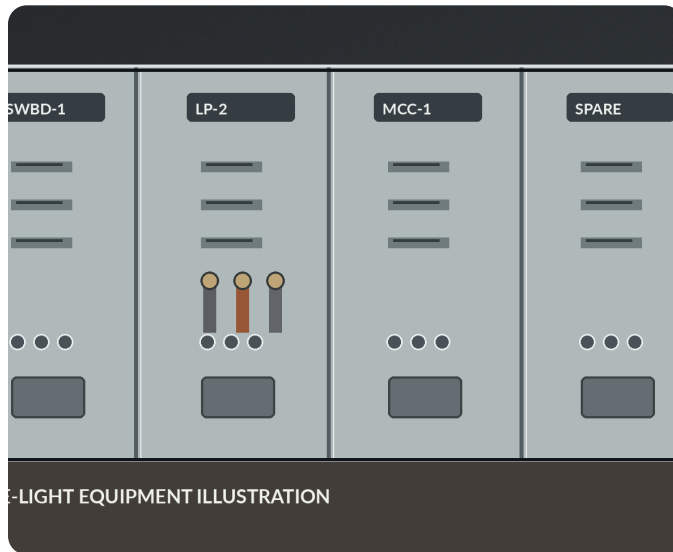
Example management takeaway

Use the image-backed register to decide which electrical assets need qualified follow-up. Findings are observations, not a diagnosis or a code-compliance determination.

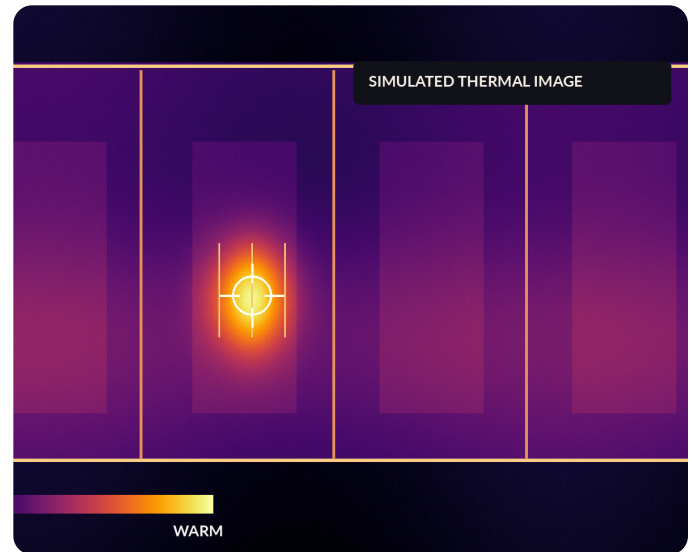
02 / DETAILED OBSERVATION

Finding T-01

Illustrative example showing how a suspected temperature anomaly would be documented.



VISIBLE-LIGHT REFERENCE / ILLUSTRATION



SIMULATED THERMOGRAM / NOT MEASURED

DEMONSTRATION OBSERVATION

Illustrative thermal pattern at a phase B connection in sample panel LP-2. A real inspection would require properly captured radiometric data, operating-load information, equipment identification, appropriate access and comparison against similar components.

ILLUSTRATIVE DATA FIELDS

SIMULATED SPOT TEMPERATURE

81.4 C | fictional

EXAMPLE DIFFERENTIAL

28.8 C | calculated example

OPERATING LOAD

71% | illustrative only

SIMULATED COMPARISON POINT

52.6 C | fictional

THERMAL SETTINGS

Emissivity 0.95 | example only

IMAGE IDENTIFICATION

THM-001 / VIS-001 | example

Example follow-up

Have a qualified electrical professional review the asset, confirm operating conditions and inspect it using appropriate electrical safety procedures. Rescan after corrective work under comparable conditions.

03 / REPORTING APPROACH

Method & deliverables

The example illustrates the structure of a real client report, not a completed inspection.

TYPICAL REPORTING SEQUENCE

01

Document assets and access conditions.

02

Capture thermal and corresponding visible-light images.

03

Record operating conditions and relevant measurement settings.

04

Identify noteworthy comparative temperature patterns.

05

Assign follow-up actions and retain an organized image register.

PROPOSED CLIENT DELIVERABLES

- Summary overview and asset list.
- Numbered finding sheets with visible and thermal image pairs.
- Relevant measurement context, operating assumptions and limitations.
- Recommended evaluation by the appropriate qualified trades.
- Digital PDF and organized imagery supplied by agreement.

Scope and limitations

Thermography measures surface radiation and is influenced by emissivity, reflections, loading, distance and access. Images alone do not establish the root cause of an anomaly. This demonstration is not an actual thermal survey or engineering report.