SITE MATRIX

ELECTRICAL - THERMOGRAPHY

Every electrical fault runs hot before it fails.



> **"Failure doesn't start with a breakdown. It starts with heat."**

Thermal inspections find hidden faults in mechanical, hydraulic, and HVAC systems before they cause downtime.

— Site Matrix

Problem

Heat reveals friction, overload, flow restriction and electrical issues.

Fix

Targeted action prevents breakdowns, extends asset life and saves money.

- Infraspection Thermography L2 Certified
- Registered Professional Engineers
- Engineer-led · CASA ReOC 9692 · Night-qualified, radio-qualified pilots · $20M public liability.
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- 22+ years diagnosing / designing managing engineering projects
- >500 diagnostic faults identified and resolved.

What we inspect

Motors & drives — Bearings, couplings, windings, alignment, VFDs and starters

Pumps & hydraulics — Symptoms of cavitation, leaks, blockages, valve issues, fluid systems, in-slab hot water leak tracing, hot water and TMV systems and underfloorheating.

HVAC systems — Fans, chiller, compressors, coils, dampers, ductwork, plant and equipment

Piping & pressure systems — Insulation loss, blockages, trapped condensate

At a glance

No Shutdown
Assets scanned live, under normal load. No isolation or downtime needed

100% – Every asset
Every motor, pump, AHU and pipe run in scope is imaged, not spot-checked.

Early warning
Heat shows up before failure, giving time to plan repairs instead of reacting to breakdowns.

Scans performed under normal operating load. Coverage depends on site access and conditions.

How it works

1. **Identify —** Thermal scan to detect electrical hot spots and anomalies
2. **Verify —** Engineer review and root cause confirmation
3. **Act —** Prioritised report with remedial risk / recommendations

What you get

- Thermal and visual imagery
- Hot spot prioritization
- Detailed findings and risk rating
- Report in 2-5 business days
- Your data — you own it

Who it's for

- Facilities & asset managers
- Manufacturing & process plants
- Electrical and Trade Contractors

WHO IS IT FOR

Asset Owners / Mechanical Contractors / Hydraulic & Other Trade Contractors / Plumbers.

Pairs with: Electrical Thermography / Energy Analysis / Roofs and Facades / Drone Inspections

Don't wait for a shutdown to find a fault.

Book Your Predictive Inspection today — Speak to Us Today

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