iconsys

Peace of mind for your industrial assets

Thermal Imaging Studies

Thermal imaging is often the first choice in preventative maintenance and is also one of the most non-intrusive, non–invasive and non-destructive diagnostic tools for predictive maintenance.

The iconsys solution

We provide a comprehensive thermal imaging survey of any, or all, of your industrial assets, identifying any areas of concern and providing a full audit report of our findings and recommendations to ensure your assets run optimally in the long term.

Why thermal imaging?

By detecting anomalies proactively, that are often unnoticed by the naked eye, corrective action can be taken promptly to ensure costly system failures do not occur - giving you total peace of mind and longer-term cost-savings.

What we do

- ✓ Monitor and measure bearing temperature in large motors and other rotating equipment
- ✓ Find faulty insulation in process pipes and other insulated processes
- ✓ Identify leaks in sealed vessels
- ✓ Find faulty terminations in high power electrical circuits
- ✓ Identify "hot spots" in electrical equipment
- ✓ Locate overloaded circuit breakers in a power panel
- ✓ Identify fuses at or near their current rated capacity
- ✓ Identify problems in electrical switch gear
- ✓ Capture process temperature readings
- ✓ Provide detailed findings/recommendations

Get in Touch

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The benefits of thermal imaging for your business

Infrared thermography offers a variety of advantages:

- ✓ Covers most types of equipment
- ✓ Collecting data in a hazardous environment from a safe distance
- ✓ Scanning large areas such as walls, ceilings and roofs quickly
- ✓ Gathering data without disrupting production
- ✓ Quickly identifying irregularities in specific locations
- ✓ Detecting problems before failure

These advantages produce several specific benefits for troubleshooting and preventive & predictive maintenance, including:

Increased safety

Our engineers can often inspect without directly contacting equipment or interrupting its operation.

They also can potentially inspect ductwork and ceilings without having to climb ladders or use a lift.

Repair assurance

Using an infrared camera to quickly scan a repaired component or structural area allows our engineer to verify that the repair was successfully completed.

The camera can also identify subtle signs that further repair is needed.

Improved reliability

More accurate information makes it easier for maintenance teams to fix problems before they result in large-scale losses.

This results in significantly reduced unscheduled downtime.

Successful commissioning

Thermal imaging can be used to document the condition upon acceptance.

This can be used to verify manufacturer performance specifications or provide a basis for comparison at a later time.

Enhanced production

Using thermal imaging for preventive or predictive maintenance can help to minimise malfunctions and failures with your equipment.

It will also help to maintain optimum production efficiency and safety.

Deterioration monitoring

Using a thermal imager to monitor the condition and characteristics of your equipment against predetermined tolerances.

This can predict possible malfunctions, reducing unplanned downtime.

Partial funding generously provided by the European Regional Development Fund to acquire our thermal imaging equipment.

European Union
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