

Thermographic scans

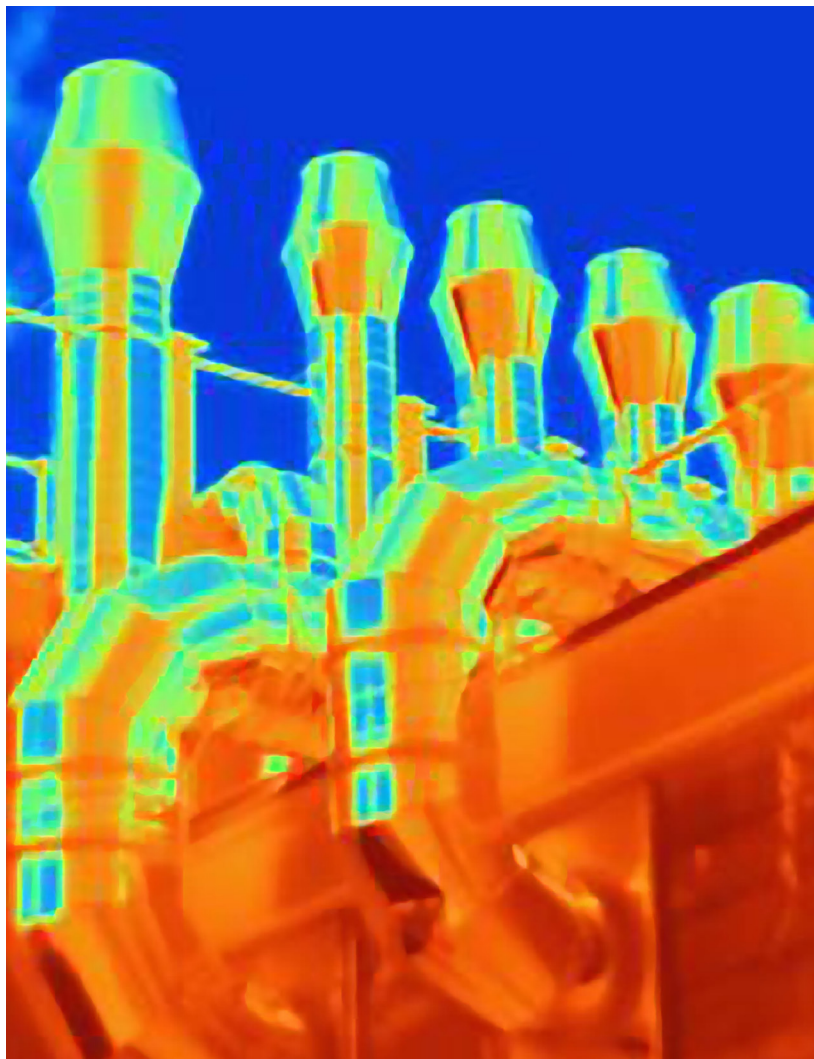
Because a picture is worth a thousand words

HSB Canada, part of Munich Re, is a technology-driven company built on a foundation of specialty insurance, engineering, and technology, all working to drive innovation in a modern world, to keep you ahead of risk.

Experienced and qualified HSB inspectors recommend using infrared detection technology to provide our customers with a means of pre-empting and correcting a problem. A problem not detected in time could lead to expensive repair costs and downtime.

All objects emit heat in the form of electromagnetic radiation.

A qualified contractor or technician using an infrared camera would be able to detect and measure heat being produced within a device, diagnose the problem and recommend corrective counter-measures.



Evaluating systems and equipment

Equipment does not need to be shut down – a plant can operate while scanning is performed. Areas scanned include, but are not limited to:

- Electrical switch gear, breakers, bus connections, and contacts
- Transformer connections
- Motor and generator connections, windings, feeders and excitors
- Bearings
- Friction in drive gears and drive belts
- Refractory systems (boilers, kilns, molten material containment, etc.)
- Steam traps and piping insulation

Servicing industries

Following is a sampling of industries we service:

- | | |
|-----------------------------|----------------------------|
| – Chemical | – Schools and Universities |
| – Electrical Utilities | – Hospitals |
| – Manufacturing | – Hotels |
| – Mining | – Office buildings |
| – Aerospace | – Shopping Malls |
| – Food Processing & Storage | |

Preventing problems

Thermography can detect a variety of conditions that can lead to problems, including:

- Friction
- Loose connections
- Poor metallurgy
- Insulation breakdown
- Improper liquid levels
- Tank levels and insulation problems