



Manufacturing / Production Processes

The applications for thermal imaging in industry are almost endless, but we will try to outline some of the more common applications that we get involved with

Preventive Maintenance: As anyone involved in a production environment is well aware, the cost of unplanned stoppages can be very high, especially when the stoppage of one section can upset a number of other processes in the production line

A thermal imaging survey can usually detect many potential failure issues well before they get to a stage where they stop the plant. In almost every item or component within your plant, failure will be preceded by a change in the heat signature of the item. Whether it be an electric motor, electrical switch gear, bearings, pumps, fuses and breakers, relays, etc, they all will get warmer, often months before actual failure.

Thermal imaging can see any heat anomalies in any components or items, in increments as small as 0.07 of a degree.

When operated by a skilled certified Thermographer, an infrared thermal imaging camera, coupled with our state of the art analytical software, can show suspect components as clearly as if they have been sprayed with a florescent marker paint, and then present a written report including both infrared and digital photos of exactly where the problems are. This allows you to have all replacement parts on hand prior to normal scheduled maintenance shutdowns to ensure that the repair can be completed.

The relatively small cost of having a thermal imaging survey done of your plant or process can be insignificant when compared to an unplanned shutdown.

We are happy to (without any obligation) call on industrial facilities within the greater Auckland area to discuss and perhaps demonstrate, how thermal imaging can add value to your operation.