

Thermography

The Service

- Detect hot or cold spots that are invisible to the naked eye
- Determine absolute temperature
- View thermal temperature and profiles
- Detect temperature loss
- Detect faulty fuses, electrics, cables, connectors, transformers etc
- Detect how machinery is running e.g. kilns, fans, motors
- Detect refractory/lagging breakdown etc

The Technology

Thermal or infrared energy is light that is not visible because its wavelength is too long to be detected by the human eye. Thermography is the use of an infrared imaging and measurement camera to "see" and "measure" thermal energy emitted from an object. Thermal imaging has evolved into one of the most valuable diagnostic tools for Predictive Maintenance. By detecting anomalies often invisible to the naked eye, Thermography allows corrective action to be taken before costly system failures occur.

The Kit

Roxby uses the FLIR Thermacam series which is capable of non-contact measurement of -40°C to +500°C (-40°F to 932°F) and is accurate to 2°C/2%.

The Benefits

- Perform inspections when systems are under load or live
- Temperature measurement easily obtained
- Problems easily located and identified
- Potential problems found before they occur
- Periodic monitoring builds up trends
- Rapid scanning
- Images produced are comprehensive and reliable
- Work carried out at a distance

- Do you have an alternative?

