INFRARED INSPECTIONS

Why Infared?

Detect hotspots before they become problems. Infrared Thermography is the safest, non-intrusive, and most efficient technique to identify faults & overheating early before they become more serious and expensive to repair. By capturing heat-generated images, it's possible to measure the temperature in real-time and at a safe distance.

Thermography can be applied to electrical and/or mechanical systems to identify thermal profiles of specific components by identifying hot or cold spots which could potentially lead to a component or system inefficiency and potential failure.

What can be monitored?

- Bearing and Couplings Defects
- Seals Issues
- Barrier System Failures
- Alignment Issues
- Heat Dissipation
- Lubrication Issues
- High Resistance Connections
- Faulty Fuse Clips
- Loose Connections
- Faulty Transformer Bushings
- Heat Exchanger Issues
- Boiler Inefficiencies
- Steam Trap Failures

Services Include:

- Measurements of the heat emitted by any material using the thermographic camera
- Identification and location of phenomena
- Comparison of system components to determine the severity
- I-care experts will be minimum ISO 18436-7 Level 1 certified in thermography

Benefits:

- Safe, non-contact type technology
- Detect temperature anomalies
- Fast, reliable & accurate output
- Large surface areas can be scanned in a short time
- Affordable and cost-effective