Wärtsilä offers solutions for locating faults in electrical systems as well as misalignments of electrical motors, by the use of infrared camera that detects infrared energy (Heat). Infrared camera allows not only monitoring thermal performance, but also identifying and evaluating heat related problems.

An infrared camera is a non contact device that detects infrared energy and converts it into an electronic signal, which is then processed to produce a thermal image on a video monitor and perform temperature calculations.

Thermal imaging converts this radiation into a visible light picture that we can see by using a sensor that converts the electronic signals. The same signals can be used to measure temperature.
Wärtsilä Thermographic solution comprises of:

- Analyze and store heat flow in real time
- Predictive maintenance of machinery
- Detection of deteriorating components
- Excellent tool for maintenance of electrical and mechanical system
- Pinpoint “Hot Spots”
- Non destructive test method
- Application in automatic, electrical and mechanical, building and medical fields

Wärtsilä offers Thermographic inspection for the following fields:

- Main switchboard checking
- Electrical motors for high bearing load as well as worn bearings
- Electrical cabling
- Electronic card
- Exhaust gas system main engine
- Exhaust gas systems auxiliary engines
- Boilers insulation and exhaust system
- Piping

Wärtsilä delivers most cost effective thermal analysis solutions with the use of:

- Detector technology
- Incorporation of built-in visual imaging
- Automatic functionality
- Infrared software

Wärtsilä offers a very high-quality Thermographic inspection with the help of Infrared technology.

This solution has been provided to many of our customers:

- Akzo Nobel, Bangalore
- Pudumjee Pulp & Paper Mills, Pune
- AGI Glass Pac, Hyderabad
- Vedanta Alumina
- Delphi TVS
- Videocon Narmada
- Trans Ocean