

INFRARED INSPECTION APPLIED TO ELECTRICAL EQUIPMENT

PURPOSE

With infrared inspection, you can measure temperatures or observe different patterns of temperature distribution in order to provide information on the operating condition of a component, equipment or process.

This non-destructive technique of inspection allows the viewing of heating in electrical, mechanical, pneumatic and general monitoring of furnaces.

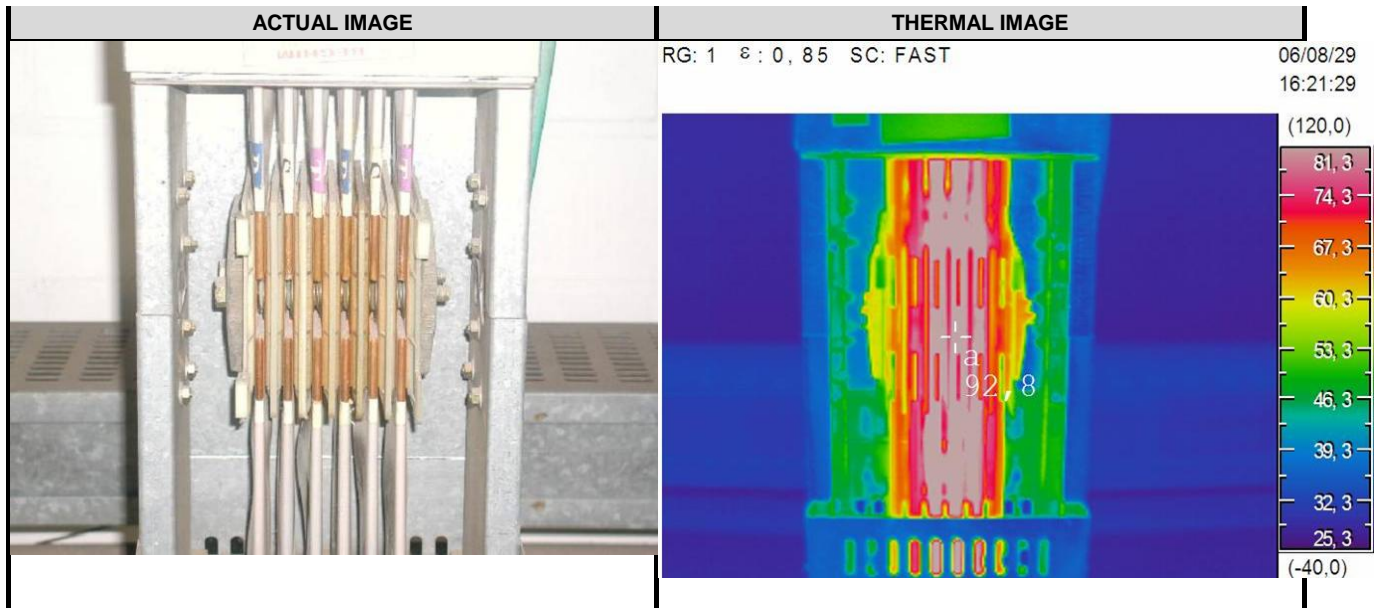
In all maintenance process, infrared inspection is presented as an extremely useful tool, since it allows: to perform measurements without physical contact with the installation (safety), check equipment in full operation (no interference in production), and inspect large areas very quickly (high performance).

Software applications were developed to get information from infrared inspection for the subsequent analysis, so that, with the data classification of faulty electrical components, allows a predictive analysis.

Monitored Equipments

- ✓ Transformers
- ✓ Panels, SWG, MCC
- ✓ Motors
- ✓ Generators
- ✓ Cables & Potheads
- ✓ Insulators
- ✓ Busbars
- ✓ Bus-ways
- ✓ Relays
- ✓ Circuit Breakers
- ✓ Main Holes
- ✓ Substations
- ✓ Control Circuits Components
- ✓ Others electrical equipments





Some problems already detected in EngePower's Customers:

- ✓ Points of heating in electrical circuits
- ✓ Undersized circuits
- ✓ Unbalanced load in the circuits
- ✓ Unfastened electrical connections
- ✓ Problems in equipments

