



## **THERMOGRAPHY ASSESSMENT FOR CEMENT, BOILERS REFINERIES AND PETROCHEMICAL PRODUCTION PLANTS**

Early detection of short circuits, Prevent from Fire accidents, Ensure uptime at all levels  
Improvement of Energy Efficiency and Establishment of Green Environment



# **SACHU TECHNOLOGIES**

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**Branches:** BANGALORE, CHENNAI, PUNE, VISAKHAPATNAM, VIJAYAWADA, MUMBAI, DELHI

Cement Plant by their very nature have high running costs associated with them, most of the running costs can be attributed to electricity charges and heat losses. In this modern world of ever increasing energy costs it now makes strong financial sense to look towards energy saving and conservation.

If you operate a cement industry talk to us about our services which will highlight areas of poor/missing insulation, incorrectly operating cooling systems, faulty electrical Mechanical and Refractory and apparatus, lighting surveys etc

Thermo graphic inspection offering by Sachu Technologies can reveal defective insulation, frost and ice formation and structural defects in industry related apparatus ,Pre heater, Precalciner, Rotary Kiln ,cooler and Electric Utilities

#### Advantages:

- ➔ Safety increases, maximize maintenance efforts
- ➔ Avoid Losses, accidents, serious hotspots leads yet killing people, employees or public .
- ➔ Reduced Power consumption after Infrared Thermography Assessment at Your organization
- ➔ Reduced unexpected outage costs. Extend equipment life
- ➔ Prevent Loss production Increased production in industry.
- ➔ Save Energy costs ,Profit increase.
- ➔ Maintain 99.999% up time (or) availability power supply
- ➔ Green Environment Establishment.



#### Early detections of short circuit ,Fire accidents and Improvement of Energy Saving in Plant

- ❖ Electrical Panels, Power distribution , Transformers power input , out put terminals and bushings
- ❖ Switch yard 33KV/11 KV/440V including CT,PT, and Breakers
- ❖ Switchgear components, Control Panels ,MCC,PLC ,Main Incomer
- ❖ Substations,HRC Fuses ,Clips, Wall mounted disconnect switches ,Connecters
- ❖ Bus bar system, Bolted connections and Bus bar Trucking system
- ❖ Capacitor Banks , Battery Banks ,Diesel Generator input and output connections
- ❖ ELCB, Switches ,Isolators, Lift power cables , Generator power input and output terminals
- ❖ Contactors ,MCB's, Circuit Breakers ,ACB,VCB,MPCB ,MCCB and LT Cables
- ❖ Broken/Undersized Wires ,Energy meter input and output terminal
- ❖ UPS ,Inverter ,Loose and Poor connections, Unbalanced loads
- ❖ Bus Ducts and Cable Drops ,Electrical Cabinets ,Data Centers
- ❖ Mechanical, Motors , Building and other Segments
- ❖ Insulating testing of Reactors, Liquid level monitoring of Tank Levels ,Furnace Tube coking
- ❖ Pipe Thinning, Deposits, Corrosion, Refractory, Insulation and steam systems, Sludge Levels
- ❖ Exchanger Fouling and Heat Loss
- ❖ Testing of Reactor Insulation, Non Contacting temperature measurement of Chemical

