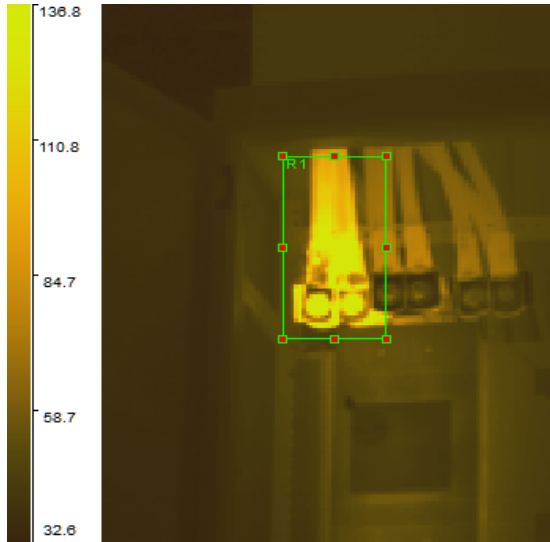


Case Study: Thermography – Electrical Panel

SENERGY Consultants (P) Ltd

Background:

While conducting electrical & power quality audit for the pharmaceutical industry; the surface temperature of few of the electrical connections was observed to be very high.



Scenario:

The temperature should at the most be 15 °C above ambient, the temperature could be higher due to maintenance related issues including

- Loose connection
- Oxidation of the contact material
- Air gap between connection leading to higher resistance and hence heating of the material
- Deposition of foreign particles; leading to higher resistance
- Higher loading

Corrective Measures:

The above concerns and issues were addressed by cleaning the affected connections.

Outcome:

- Reduction in the probability of accidents / untoward incidences.

SCPL-CS-15

Helping You to Conserve Resources

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