

Case Study: Power & Harmonic Audit

SENERGY Consultants (P) Ltd

Background:

While conducting energy & power quality audit for the printing industry; the total harmonic distortion in current was wave form was observed to be abnormally high.



Scenario:

- The failure rate of electronic components was quite high with 4 to 6 failures in a month.
- This not only added to the costs; but adversely affected the productivity and delivery schedule
- The harmonic level was observed to be high due to failures of chokes provided by the machine manufacturer.

Corrective Measures:

The above concerns and issues were addressed by taking the following measures.

- The damaged choke was replaced by the machine manufacturer
- The total harmonic distortion level was brought down to 12 to 13%

Outcome:

- The failure rate of electronic components came down by over 90%.

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