

Case Study

Power Quality/ Energy Saving



A snack food manufacturer in the East Midlands wanted to reduce their harmonic distortion on site and save energy. Power Quality Management provided a turnkey project, improving the site wide power quality and saving kWh. The savings provided a ROI of less than 18 months.

Survey and Specification

The site is a mature production facility with an increasing number of non-linear devices such as Variable Speed Drives and lighting. PQM audited all the site's supplies giving a complete overview from which to specify equipment to improve the facilities power quality. The commercial case was proven.

Project Management

PQM oversaw the whole project from specification to commissioning and measuring the savings.

Savings

In reducing the harmonic currents moving through their electricity supply, losses were reduced and therefore energy saved.

Additional Savings

As well as reducing the harmonic distortion PQM fitted Power Factor Correction to each supply adding to the energy saved.

Power Quality Tips

- Reducing harmonic currents using Active Filters improves the quality of supply
- Active Filters can be retrofitted
- Reducing harmonic current, also reduces losses and therefore saves energy
- A power quality audit often leads to additional savings being identified

PQM Ltd
PO BOX 76
Blakeney
Gloucestershire
GL15 4WU

e: info@pqmanagement.co.uk
t: 01594 510670
f: 01594 516170