

Case Study

Reactive Power Reduction



A chocolate manufacturing company in the West Midlands had started to see reactive power charges applied to their energy billing. Power Quality Management specified the correct equipment, its size and location to remove the penalty charges from the monthly billing saving in excess of £30,000 per annum. The ROI was 10.5 months!

Savings

Each monthly bill included an additional charge of around £2,500 for importing reactive power (kvarh). The aim was to eliminate these charges.

Survey and Specification

The site is a mature production facility with existing PFC units in various states of repair. PQM audited all the site's supplies giving a complete overview from which to specify equipment and give a definitive Return on Investment figure. The commercial case and proposal were approved immediately - PQM oversaw the implementation and demonstrated the savings.

Additional Savings

As part of the audit process the site energy survey identified further savings opportunities within the facility.

Reactive Power Tips

- Typical return on Investment is < 14 months
- Existing equipment can often be repaired
- Almost all UK networks charge for excess kvarh
- An energy 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