

PQIS Ltd use Chauvin Arnoux analyser to reduce customer electricity costs

Power Quality Improvement Services Ltd recently used their Chauvin Arnoux UK power quality analyser to reduce electricity costs and eliminate reactive charges incurred on a customers' electricity bill.



Saco Ltd, a specialist anodising company in Burnley, who manufacture aluminium caps and shrouds for the cosmetic industry, had recently invested over £2 million in expanding its manufacturing and warehouse facility in Lancashire which included the installation of a new transformer, and relocation of their switchgear to a new site. The old power factor correction equipment had failed beyond cost effective repair and was under rated for the new additional load.

SACO pride themselves on being green and try to reduce their carbon footprint throughout their daily operations and, based on their commitment to ensure that no methods they use to produce their products have overly-high carbon emissions, and if they do to quickly work to reduce these as soon as possible, called in Power Quality Improvement Services Ltd to solve the problem.

PQIS offer power quality products and services to industrial and commercial companies looking to reduce their carbon footprint and electricity costs, and specifically electrical engineering solutions to improve the power quality and electrical efficiency of businesses. Using their Chauvin Arnoux Qualistar+ power quality analyser, they set about monitoring the supply over a period of days. Following analysis of the recorded data, they then recommended and designed replacement power factor correction equipment to improve the power factor from 0.74 to better than 0.98.



This subsequently reduced the maximum demand of the supply by 130KVA with a current reduction of over 200A. As a result, SACO will now benefit from significantly reduced electricity costs and have eliminated any reactive charges incurred on their electricity bill, and of course continue to live up to their green credentials.



Designed for test and maintenance teams working in industrial or administrative buildings, the Qualistar+ range can be used to obtain a snapshot of the main features characterising the quality of the electrical network. This analyser's functions make it the ideal instrument for preventive or corrective maintenance and it can also be used to perform a complete energy survey of an installation. The measurements obtained with the Qualistar models can be processed using two software tools: PAT delivered as standard, and Dataview® available as an option. They allow configuration, transfers, processing and analysis. In addition, Dataview® offers the possibility of generating reports according to the voltage quality standards.

Visit www.chauvin-arnoux.co.uk or email info@chauvin-arnoux.co.uk for more information, or for enquiries regarding power factor correction equipment and services go to www.pqis.co.uk SACO Specialist Anodising Company Ltd can be found at <http://www.sacoltd.com>