

Case Study

Power Factor Correction

Fitness Centre

Annual Savings Achieved

- £2,079.00
- 6.8 Tons Co2
- 5,571 kW/h site
- 12,620 kW/h inc transmission

Payback

- 4 Months

Benefits

- Removal of Reactive Power Charges
- Reduction of 77 Amps per phase
- Reduction of 55 kVa Demand
- Improved utility



Virgin Active operate a number of fitness centres around the UK and pride themselves on the high efficiency achieved on each site and engaged with the Carbon Trust to improve efficiency even further.

The Carbon Trust identified power factor correction as a proven energy saving technology to improve electrical efficiency and remove penalties from the electricity bills and although [Power Factor Correction](#) had been installed many years ago, the system was non functional and now underrated for their present operation.

PES carried out a combination of repairs and modifications to the old existing equipment resulting in an ROI of less than 4 months, returned carbon savings of 6.8 Tons per annum and achieve and overall electrical efficiency of around 99% from a poor 80% before correction.

For more information, contact us now on 01695 559785, post@pesgrouppltd.co.uk or visit www.energyace.co.uk