

**eco-max**VOLTAGE OPTIMISATION  
SAVE MONEY, ENERGY & CARBON

## Why eco-max™?

### UK's Original VO Manufacturers

With over 25 years of engineering expertise

### Extensive Range

Of sizes to perfectly suit your business

### Engineer-Led

Designed, built &amp; Tested by GWE under ISO9001 Quality systems for reliability

## Context

The Garrison Hotel is a family-run business situated within Hillsborough Barracks Sheffield. The Grade II listed building, originally a jail, guardhouse and ammunition store has been sympathetically converted into a modern hotel. GWE was approached to assess the viability of implementing voltage optimisation to reduce the hotel's energy consumption and therefore costs.

## KEY METRICS

**10**Actual Reduction in  
Energy Consumption**£6286.5**Reduction in Energy Cost,  
per Annum**13,970**

KWhrs Saved per Annum

**REDUCED**

CARBON EMISSION

**6 MONTHS**

Payback

## Requirements

By analysing electricity bills and carrying out a survey, the hotel's peak energy consumption, or Maximum Demand (MD) was established. This highlighted that the hotel's electricity supply was far larger than actually required. So, it made more sense to fit an optimiser that met the hotel's requirements, rather than simply matching the size of the electricity supply. This approach reduced the cost of the equipment, gave a higher return on investment, and resulted in a payback period of under a year.

*"We had an eco-max optimiser fitted to reduce our energy costs, and it's done just that! It was initially looking like we'd be saving nearly £6,000 a year, but GWE also highlighted we were being overcharged, which prompted us to renegotiate a reduction in our energy tariffs so we are now saving even more! To minimise any disruption to our guests, GWE arranged to have the optimiser installed overnight. They provided a hassle-free service and I have no hesitation in recommending GWE's products and services" – Jonathan Ballington, Hotel Manager*

For more information

[gwenery.co.uk](http://gwenery.co.uk)