

# VOLTAGE OPTIMISER-COMMERCIAL VOC315i

The Garrison Hotel - Sheffield



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 in to a modern hotel.

We were approached to assess the viability of implementing voltage optimisation to reduce the hotel's energy consumption, and therefore costs.

By analysing electricity bills and carrying out a survey, the hotels peak energy consumption, or Maximum Demand (MD) was established. This highlighted that the hotels electricity supply was far larger than actually required. Therefore it made more sense to fit an optimiser that met the hotels 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 on a payback of under two years.

**10% average energy savings achieved by VO, saving £5,683 per year, with a payback under 2 years**

The graph below shows the hotels daily energy consumption for 1st Feb - 23rd May, 2015 and 2016.

The consumption with VO installed is clearly lower than without VO in 2015. This is despite degree day data for the area showing it was considerably colder in 2016.

Comparing the two periods, the hotels energy consumption reduced by 13,970 kWhrs equating to a saving of £1,790!

**“We had a Voltage 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 it was also highlighted that 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, OneLyfe's team arranged to have the optimiser installed overnight. They provided a hassle free service and I have no hesitation in recommending their products and services”**

**- Hotel Manager**

