



**OPTIMIZED ENERGY**

Initial Report For: \_\_\_\_\_

Contact Details: A COMPANY \_\_\_\_\_  
A STREET \_\_\_\_\_  
AN AREA \_\_\_\_\_  
A TOWN \_\_\_\_\_  
A POSTCODE \_\_\_\_\_  
A NUMBER \_\_\_\_\_

Date: 29/11/2019

**THIS YEAR YOU WILL OVERSPEND**

**£13,942.13**

**ON WASTED ELECTRICITY UNLESS YOU FIT ECO-MAX VOLTAGE OPTIMISERS!**



26.0 Months / 2.2 Years Payback

46.1% Return on your investment

Your energy consumption reduced by 11.97%

Harmful carbon emissions cut by 403,904 Kg

Your equipment will last up to 50% longer!



Based on the information you have provided:



Your annual electricity consumption is around: 13,201,483 kWh

Your annual electricity spend is around: £116,475.58

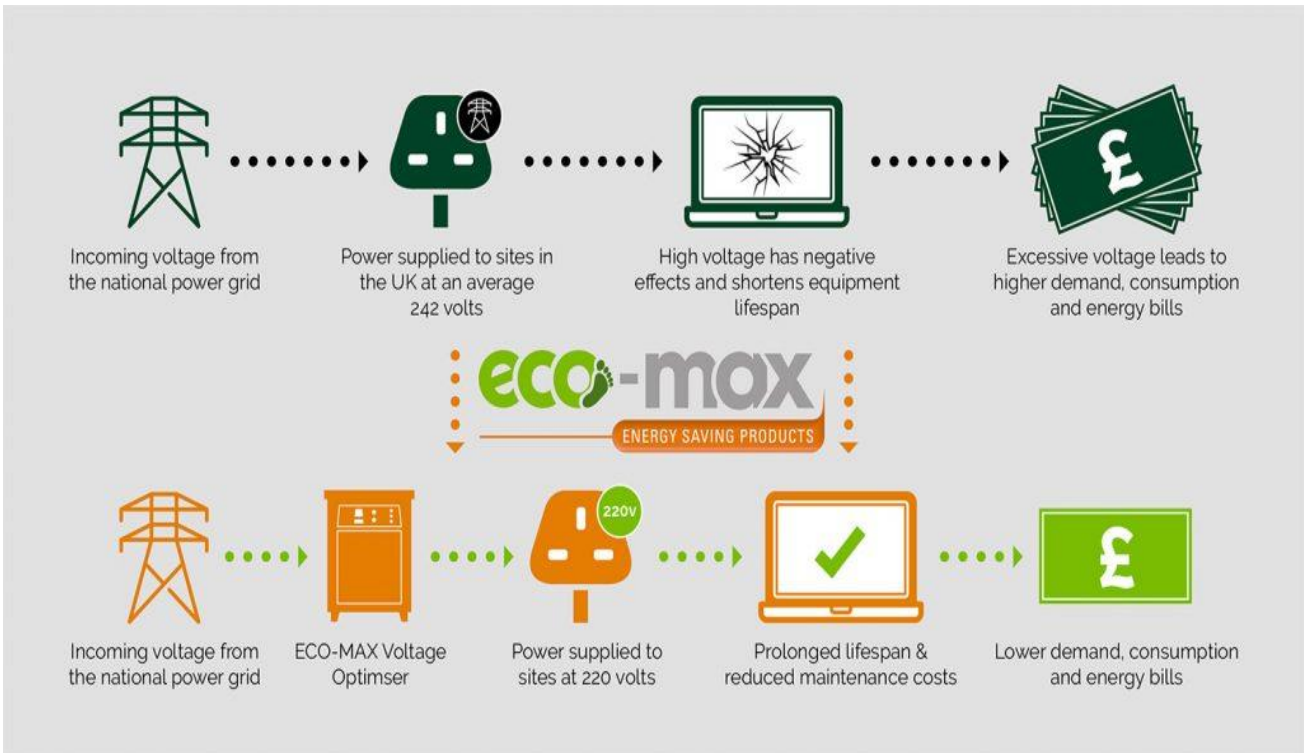
The one off investment in Eco-Max is: £30,264.43

**Including the effect of energy inflation you will save in excess of  
£162,940.31 over next ten years.**



## How does voltage optimisation work?

European harmonisation means our electrical equipment works efficiently at around 220V. Supplying over this voltage is wasting energy. UK electricity can be supplied at up to 253V, so you are currently paying for wasted energy. By "Optimising" the voltage supplied to your electrical equipment you make instant savings on your bills up to 19%. In addition to the energy saving, electrical equipment supplied at voltages higher than 220V "wear out" quicker because they are being overworked. Certain types of electrical equipment have been known to last up to 50% longer when used on the optimised voltage.



Eco-max voltage optimisers carefully reduce the voltage supplied to your equipment, ensuring you don't use the excess voltage supplied by the national grid. Eco-max simply rejects and returns the surplus voltage to grid, your consumption is minimised and the ideal operating conditions specified by the equipment manufacturer are provided.



***With the standard integral remote monitoring system of our intelligent optimisers, you will be able to see for yourself exactly what you are saving, in real time, anytime and from any PC, Tablet or smartphone***



## Financing your purchase

- ✓ Optimized Energy funding solutions are available as an alternative to up front capital outlay.
- ✓ Conserve your capital to use elsewhere in your business.
- ✓ Repayments are matched to energy savings, generating a cash positive solution from the outset.

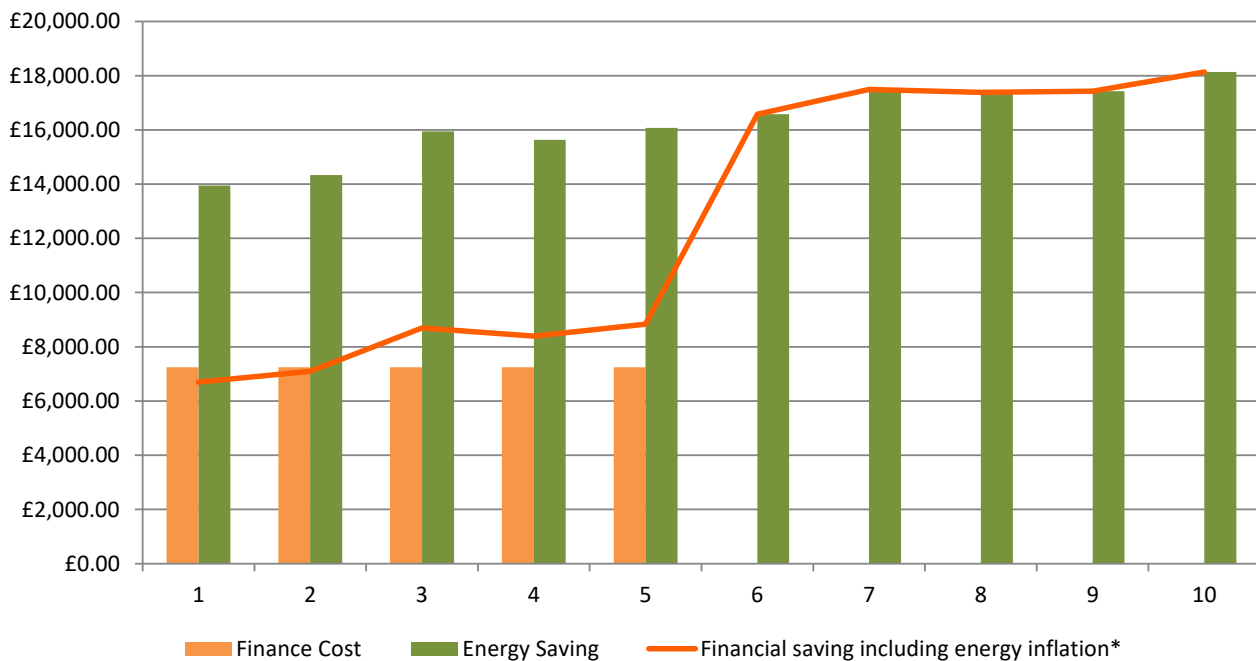
Savings over 10 year period: £126,726.42

Savings over finance period: £39,718.51

Finance period: 5 Years



### Cost vs Savings Illustration



The illustration above shows how a finance option may work for you. We can normally tailor funding to meet your specific requirements. A formal finance quotation can be provided on request subject to credit worthiness, terms and conditions apply.



## Existing customers, equipment & calculations



"We had an Eco-Max optimiser fitted to reduce our energy cost, and its done just that! we're saving over £6,000 a year." **Hotel Manager, Sheffield**

"The system reduced annual electricity consumption by 365,940KWhrs and cut our electricity cost by £10,624.00 providing a full return on investment in just 14.7months!" **Financial Director, Cepac Ltd.**

"We found them to be a professional company that provided us with a bespoke solution at a very competitive price. The ECO-MAX...as projected, instantly reduced our energy consumption by around 12%" **Project Engineer, CPL.**

"Thank you for doing a professional job, I would certainly recommend you to any prospective customers in the future" **Facilities Manager, West Yorkshire Playhouse.**

"To help meet our energy efficiency targets, 3M has now installed Eco-Max optimisers at four of our UK sites, which last year reduced our annual electricity consumption by 820,640kWhrs, and saved us £32,313.00 in electricity charges" **Group Leader, Facilities Engineering, 3M UK PLC.**

### Equipment Specification

- ECO-MAX Model Type: ECO-MAX-COMMERCIAL-XL
- ECO-MAX Model Rating: 630 Amps / 452 kVA
- ECO-MAX Model Number: EMC630i



### Our calculations are based on the information you provided

- The optimiser proposed will allow you to increase your existing Maximum Demand (MD) by -90%. The 'headroom' allowed is based on the information provided. We recommend that you inform us of any future plans for expansion that may cause a significant increase in your electricity consumption, as this may affect the size of the optimiser proposed.
- The three Phase intelligent EMCI optimiser proposed has five adjustable saving settings for voltage reduction with integral BrownOut™ under voltage inhibit, this guarantees that your voltage is never too low. App enabled status indication and monitoring with email alerts, full remote access to live and historical metering data, allowing you to check that items have been switched off and identify wasteful usage patterns. Ability to "See What You're Saving" by measuring and comparing energy consumption "With & Without" Eco-Max. All housed in a robust steel powder coated floor-standing options enclosure.
- The grid supply voltage has been estimated to be:- Above UK Average (higher than 243 Volts).
- The existing grid supply voltage will be optimised by approximately 10%
- The energy saving shown in this report has been calculated based on a voltage dependency of 63% i.e. 37% of your energy consumption has been disregarded to allow for equipment that delivers little or no energy savings from Voltage Optimisation. This level of voltage dependency is typical for your building type:- 'Office ' with 'Some' energy savings measures already in place.
- You have told us that your approximate business operating hours are 94.2 hrs/week, (4804.2 hrs/Yr).

Voltage optimisers are always more cost effective when sized to your maximum demand rather than the size of your supply, however this may restrict any future expansion plans. Because of this you may feel that sizing your optimiser to your electricity supply is more prudent, despite this option being more expensive.

(All prices exclude VAT at the current rate)