

U4L

Utilities4Less



Sustainability Division.

Environmental. Ethical & Efficient.





U4L introduces its EEE (Environmental, Ethical & Efficient) Solution and welcomes all existing and future clients to become a part of their own unique journey.

Whilst we appreciate energy consumption is unlikely to be considered the greenest part of running a business, at U4L we are passionate in doing all we can to promote a shift in attitude towards the energy world by making responsible decisions.

Our mission in the Sustainability Division is to work closely alongside our customers to tailor a programme that will be appropriate for the nature of their business. We strive to reduce environmental impact, which in turn will reduce the annual cost of clients' energy.

WHAT WE OFFER



PHASE 1

Procurement

U4L has direct relationships with energy companies that advocate a sustainable consumption. With more and more of our customers choosing 100% renewable electricity, we can use our 'basket buy' system to your advantage. We have considerable buying power, which means we can procure you energy at an extremely competitive rate, while also ensuring your supply is from a responsible source.



PHASE 2

Energy Efficiency

U4L's efficiency experts have delivered major results for businesses nationwide. To reduce your carbon footprint and save money, U4L can conduct an efficiency review of your business and provide a clear set of recommendations specifically suited to the type of business you run. Furthermore, the team will see the project through to sign off, with a dedicated account manager, training, and ongoing support.



PHASE 3

Waste Disposal

A large number of our customers within the hospitality sector have noticed that waste disposal is becoming an increasing issue. We have collaborated with Re-Food, a waste disposal company that aims to divert food waste from landfill by offering businesses an alternative, cost-effective, and unique range of highly specialised environmentally friendly and sustainable food waste recycling services.

On-going sustainability

Becoming more sustainable is not a 'tick box' exercise. In our opinion, it's about looking at the way you operate, and finding the best solution for your needs whilst also benefiting the environment. Our mission does not end at phase 3, there are countless options we have the resources to do for your business, including solar and led lighting. Finally, we are always open to new ideas, projects and challenges with our customers, so get in touch with any specialist requirements that we could assist you on!

DID YOU KNOW?

Turning off a single five-foot fluorescent tube light that's normally left on during the working day saves approximately 79kg of CO₂ over a year...



That's the amount of CO₂ produced by driving from Glasgow to Edinburgh...

FIVE AND A HALF TIMES!



QUICK TIP!

Switching vending machines off when the office is closed saves you money. Install timers to regulate power usage and ensure your refreshments are cold when you need them.



it costs £1.74 to power the machines while the office was closed. That is a £635.10 annual saving!





Haven Power

Haven are committed to offering 100% renewable, reliable and affordable electricity. This is sourced from Biomass at Drax Power station. Biomass, in the form of responsibly sourced wood pellets, is a modern and reliable renewable energy source. Choosing biomass will decrease your carbon footprint, and help tackle climate change. Wind and solar energy have the potential to take a bigger role in Britain's energy mix. Studies indicate that to do so, they need to be accompanied by reliable, flexible power generation technologies that can be turned up or down to fill gaps when the sun isn't shining and the wind's not blowing.



Positive Energy

Positive Energy is committed to supplying 100% Green Energy. As an organisation, they see this as part of our corporate social responsibility. Positive Energy will be able to supply certification once the contract has ended for the customer to keep and display. Positive purchase, in advance, 100% of the energy they sell to ensure financial security for their customers. All of the electricity provided is 100% green. Furthermore, they can supply 100% green gas on request. The most common technologies used by Positive to generate accredited green electricity are waste-to-energy, landfill gas, anaerobic digestion solar, and wind.



Good Energy

Good Energy's mission is to transform the UK market by helping businesses to be part of a sustainable solution to climate change, supplying UK-generated, 100% REGO-backed renewable electricity to thousands of businesses and organisations across the UK. The electricity comes from over 1,000 locations, harnessing local, natural sources like sunshine, wind, rain and biofuels. Good Energy even own solar and wind sites including Delabole Wind Farm in Cornwall and Woolbridge Solar Park in Dorset. They have also invested in the planned Tidal Lagoon in Swansea Bay, to further diversify their renewable energy sources with hydroelectricity.

ENERGY EFFICIENCY - LED LIGHTBULBS

Our Clients continue their journey by taking advantage of our FREE energy audit to help us build a profile of the technologies and appliances in use throughout our clients' property/properties.

With this information to hand, U4L offer clients a full range of 'fit for purpose' and proven energy saving solutions and technologies. The technologies supplied are competitively priced, allowing for swift ROI's (Returns on Investment), reduced carbon footprints and costs.

We have already helped a number of our clients reduce their energy costs and are continuing to support their drive to reduce energy consumption by offering a number of renewable energy options as part of the next phase of their journey.

This holistic approach helps to significantly reduce energy consumption costs fast, and allows customers to benefit immediately from the innovative solutions installed by U4L.



LED lightbulbs

LEDs (light-emitting diodes) are a type of electronic light source. LEDs are different from conventional light sources such as incandescent and halogen lamps. They last much longer, consume far less energy and emit very little heat. They are highly durable and do not feature fragile elements such as glass tubes or filaments; they are also safer because they do not contain any mercury or lead. LED bulbs are now available in the most common light fittings, including GU10, B22, E27 & MR16.

LED Bulbs use up to 90% less energy than an incandescent or halogen bulb of equivalent brightness. LEDs are far more efficient at converting electricity, measured in watts, into light, measured in lumens. As such, a typical 4-watt LED bulb can easily achieve a light output comparable to a 50-watt halogen, sometimes higher due to its high lumen to watt ratio.



The AC Smart Controller is the ideal energy saving solution for air conditioning units.

Installing the control unit has proven to reduce power consumption by up to 30%. The technology is the only air conditioning control unit on the market to feature dual sensor control, substantially reduce running costs in fixed temperature compressor driven air conditioning equipment.

The unit is easily fitted to single and reverse cycle (heating and cooling) air conditioning installations in commercial and residential locations.

The controller is the only AC energy saver to monitor the incoming air flow to the evaporator with its second sensor. Only when the air temperature has dropped sufficiently does it start to economise.

Benefits

- Reduced power consumption by up to 30% (in some cases even higher)
- Minimized running costs compared with the best modern inverter systems
- Dual temperature sensor design delivering exceptional temperature stability
- Auto detection of cooling and reverse cycle (heating) operation
- Eliminates dripping and icing even in high humidity environments
- Sixteen user selectable operating temperatures ranging from 16°C (61°F) to 31°C (88°F)

ENERGY EFFICIENCY - VOLTAGE OPTIMISER



By installing a commercial optivolt your business can make instant savings on the electricity bill. With better power quality you can benefit from extended lifespan of electrical products and reduce your carbon footprint.

The UK generating bodies have a voltage tolerance of approximately 230v. In comparison to the average european voltage of 220v. This means that the acceptable voltage range in the UK is between 216v and 253v, although it is more often around the 240-245v range. Voltage optimisation is simply regulating the voltage supplied to the property. The effect of reducing voltage to electrical equipment is to reduce the power that it consumes. The secret to voltage optimisation is to reduce the power enough to make a saving but not far enough to cause problems.

Benefits

- Reduces power consumption by up to 25%
- Extends the life of most electrical products
- Reduces your carbon footprint
- Increases the capacity of the supply
- Reduces harmful surges that can knock out sensitive electrical equipment
- Low capital cost against potential ROI
- Low maintenance
- Designed and manufactured in the uk
- Models to cope with wide voltage fluctuations

QUICK TIP!

By auditing the light levels inside your building it may be possible to remove some of your light fittings and still achieve the light levels you need!



LET THERE BE *LESS* LIGHT!



QUICK TIP!

Keeping doors closed can reduce your heating costs by 30%. Easy to fit door closers make it impossible for someone to leave the door open.

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WERE YOU BORN IN A BARN?





Our scientifically proven, high strength magnetic conditioners reduce costs immediately once installed. The technology also reduces carbon emissions, whilst maximising heating system efficiency.

This unit will provide a typical fuel saving of around 10%, with a very short payback period. Magnetic conditioning systems can be used to condition any type of liquid or gas hydrocarbon fuel.

In 2014 the magnetic technology was scientifically proven by Professor Young at the Sheffield Hallam University. The report highlighted energy savings of 12% on natural gas. In the past few years the technology has helped the UK Marriott hotel group reduce gas consumption by over 10%

What's more they are quick and un-obtrusive to fit, last for a lifetime and require no running or maintenance costs, making them a truly fit, forget and save solution.

Benefits

- **Scientifically proven energy saving technology**
- **Reduces energy costs by 10-20%**
- **Reduces your carbon footprint**
- **Designed and manufactured in the UK**
- **Applies to all hydro-carbon fuels (LPG, Oil and Gas)**
- **Easy to install and maintenance FREE**

The master switch

Businesses can train staff to turn off equipment at the end of the day, but these staff behaviours make a significant challenge to any business when trying to lower energy consumption. To take away this challenge, and save up to 20%, we can install a master switch to control all non-essential equipment so at the end of the day there is one switch to isolate all of these devices. The most noticeable device when looking at usage data are the amount of air conditioning units that are left on, simply with one switch all of this unnecessary usage is saved.

Other solutions:

- **Energy Monitoring**
- **CHP (Combined Heat And Power)**
- **Solar Photo Voltaic**
- **Heating Efficiency additives**

PHASE 3 – WASTE DISPOSAL

U4L are delighted to have formed a synergy partnership with ReFood, the UK's leading food waste recycling specialist, who provide a greener, safer, cheaper alternative to landfill.

ReFood's unique service offers an end-to-end solution that converts food waste into renewable energy and biofertiliser, reducing your food waste disposal costs by up to 47%.

The service provide a 240L bin swap. Most people have it swapped once a week, or they can do as often as required. Every time they swap their bin, they swap it with a clean sanitise bin which reduces the risk of smells, vermin etc.

ReFood specialise in the collection and recycling of food waste. Instead of it being added to general waste, which ultimately goes to landfill, they recycle it into renewable energy and bio-fertiliser. In most cases this works out cheaper than disposing of it via your general waste, and ReFood can prove how environmentally sustainable your company is with your waste. They provide an excellent service, and don't tie their customers into a contract, giving you complete flexibility.

Existing customers include Marks and Spencer's (900 stores), Selfridges, Q Hotels, The Savoy and Harrods.



QUICK TIP?

Make sure staff are not bringing in appliances and using them in their office. There may be more fan-heaters, kettles and chargers in your office than you think.



WHERE DID THAT COME FROM?





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