



Measure
My Energy



You can't manage what you don't measure

Measure, monitor and manage your energy with a user-friendly, web based portal that will help to reduce your utility costs and carbon footprint.

www.measuremyenergy.com

Overview

MeasureMyEnergy provides a magnifying glass for the detail of energy and resource consumption. We often describe it as an 'itemised statement' for your utility bill – and in truth we do provide that – an exact breakdown of where and when energy is consumed.

Our mission is to provide every person and company with this detail. Where all people from the developing to the developed world can visualise their impact on the global environment through every action they take in their daily lives.

TRUST US TO HELP

REDUCE CONSUMPTION
REDUCE CARBON FOOTPRINT
REDUCE COSTS

Knowledge is everything.

MeasureMyEnergy tells you how much energy you're using in real time, allowing you to save money and resources. We don't tell you what you already know - we tell you what you should know.



Corporate Customer Plc
Energy House
Windfarm Industrial Estate
Hampshire
SO53 9XZ

Site Name: Hampshire Windfarm Office

Bill Date: 1st October 2014

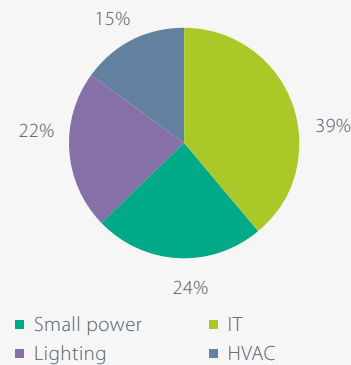
Bill based on: Power Distribution Monitor

Bill Period: 1st - 30th September 2014

Account Number: 18263672x5

Invoice Number: 4862993177

BILL ANALYSIS



Small Power

Ground Floor Sockets	£5.35
Demonstration Room	£31.98
1st Flr - Floor Sockets	£94.61
1st Flr - Dado Sockets	£183.67
2nd Flr - Floor Sockets	£22.65
2nd Flr - Dado Sockets	£177.29
Sub-Total	£510.85

Lighting

Ground Floor	£26.34
1st Floor	£251.52
2nd Floor	£201.41
Stairwells & Halls	£3.14
Sub-Total	£482.41

IT

Server Room 1 - Commando 1	£413.33
Server Room 1 - Commando 2	£223.97
Server Room 2 - Commando 1	£196.19
Server Room 2 - Commando 2	£2.20
Sub-Total	£835.69

HVAC

Server Room	£283.29
1st Floor	£11.36
2nd Floor	£27.34
Sub-Total	£321.99

How We Calculated Your Bill

Total Electricity Used: 12057kWh @ 17.84p per kWh used	£2,150.97
Daily Standard Charge for 30 days @ 16.57p	£4.97
Climate Change Levy for 12057kWh @ 0.5416p	£65.23
VAT @ 20%	£444.23
Your total bill for this period	£2,665.40

Our Technology. Nobody does it better.

MeasureMyEnergy is an all-encompassing energy monitoring solution for any business or individual. We can measure any utility usage giving you the most detailed real-time readings in the industry. In short we help you to understand where your money is being spent. And then we show you how to save it.

MeasureMyEnergy is specifically specific. Data is knowledge and we are obsessed with data. Every day we help global corporations reduce their carbon footprint, increase profits and have a better understanding of patterns within their businesses. We want consumers to know as much as possible about where they can save energy, money and precious resources.



So what?

We shape your data into something that is easy for everyone to understand. With our simple-to-use, intuitive interface you can quickly and expertly see summaries of all your utility usage.

You'll see an itemised bill that is not dissimilar to the one from your current energy supplier. Then on top of this a detailed report will analyse the data to tell you what you might be wasting and where. This breakdown can be as detailed as you want - you can even look at specific circuit groups and compare historical periods. You'll be able to optimise your energy usage from this. It goes without saying that MeasureMyEnergy will help you to comply with CRC and ESOS and will therefore improve your public image and carbon footprint.

There are countless situations where an energy alert could save your business time, money and even its reputation. We've got it sorted - you can opt for consumption or event-based alerts that will come to you via email, SMS or integration with your trouble ticketing/job queue management system. Et voila! No more freezers defrosting overnight.

Wouldn't you like to know if your office was wasting energy in its 'out of office' hours, and where this wastage was coming from? We ensure you can do this and that all readings will always be up to date. Simply tell GEM your office/building's operating hours and it will highlight your 'out of hours' usage.

With these and many other tools, most MeasureMyEnergy customers achieve reductions of around 20-25%, as well as the other cost savings associated with pro-active maintenance and management.

But don't just take our word for it...

What our customers say...



“

Since the beginning of the year, we have managed to reduce our overall energy use thanks to the information made available by MeasureMyEnergy. We have achieved this by addressing individual items such as out-of-hours energy by departments, including building services equipment like air handling and air-con in each area”.

Peter Brooker, Ashford Borough Council.



“

Using MeasureMyEnergy has not only helped to prove the savings we were aiming to achieve, but has highlighted other areas of potential savings”.

Elliott Porter, Chief Engineer Hilton London Gatwick



**ROYAL
OPERA
HOUSE**

“

The data is immensely valuable – it's like an ECG for the Linbury Studio”.

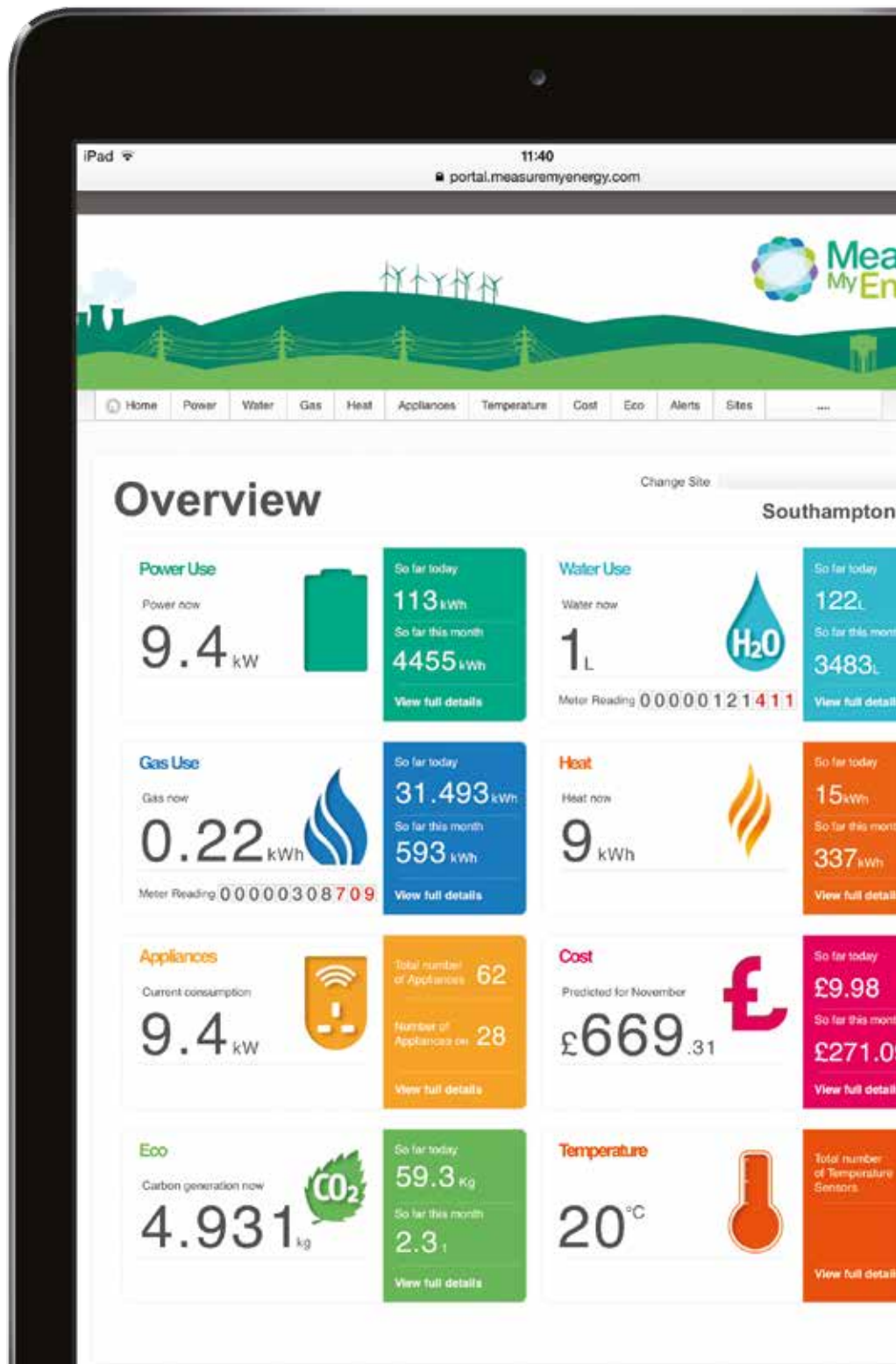
Robin Barton, Lighting Systems Technician, The Royal Opera House

A GEM of an idea.

Our Global Energy Management (GEM) platform is the only tool you will need to manage your energy and utilities. It is truly global; available today in 33 languages and in all the principal currencies. It moves through time zones with you.

You can watch the water flow in the Sydney office from your bath in London! Turn on the lights. Seconds later the data is available and the cost and carbon impact is on display.

Designed to be used on tablets and portable devices you can free yourself from the desk and go where the problem is. Work in the plant room with the air handling unit whilst simultaneously watching the performance on your pad. But the real power is that it is not just you. GEM can be made available to anyone. The portal is totally intuitive; so you can make your energy champions into masters of their universe. Empower your staff with easy-to-use tools that show them exactly where and when energy is being consumed and in real time.



Measure for measure.

We can measure not only electricity consumption along with generation (including Solar PV, Wind and Hydro), but also all other utilities. We can do this at a building, sub-meter or circuit level. Our measurements are the most detailed you will find in our industry.



Anyone can meter the mains power. But we do it differently. We can show you the **electrical consumption** for every minute of the day. And back to the first second you started the service. No-one else can take you from that minute to the detail of everything else that happened in that minute.



This is where we make a difference. We can monitor every **circuit** in your building or even every **power outlet**. Now you can see exactly where the cost is from a light fitting to a production line. Monitor as little or as much as you need to get to the answer - where is my energy going?



And we measure **water** - whether it's hot or cold, at a site or sub-meter level. What's more we can even micro-measure (yes we're that obsessed!) down to individual taps, lavatories and showers. Intriguing.



We measure **gas** consumption at a site or sub-meter level. Another extremely useful tool that saves people and businesses money on their bills every month, thereby reducing their environmental impact.



We measure **oil** too. Again at a site or sub-meter level. Just like electricity you'll be able to see how much you're using and make adjustments to your business or lifestyle to suit this.



We have the ability to monitor **heat** being generated by conventional or renewable technologies, such as district heating, central heating boilers, combined heat and power, ground-source, air-source or biomass boilers. If it's been invented, we can measure it.



We can measure a cocktail of environmental components including **temperature, humidity and CO2** based on combined electricity and gas.



We can measure **weather, sun irradiation and rainfall**. We also offer complete custom integration that can adapt for any pulse-output counter. In the past we've been asked to measure **compressed air, footfall** and even **cow's milk**.

Small details. Global scale.

We start at the 'big picture'. A clear, customisable dashboard that gives you the headlines with all your energy and utilities in one place. With automatically updated projections you can see your predicted costs for the next period and estimate your CO2 generation.

Now get into the detail with a click. View usage by month, week or day. Another click and you are moving through the minutes with consumption and cost at your fingertips. Add your appliances into groups such as lighting or heating. It's completely flexible. Examine the groups for patterns and then split them into components.

MeasureMyEnergy provides real insight. Break down your consumption into meaningful figures and plan effective campaigns to cut costs. Split your consumption into working and non-working hours and immediately see the non-productive energy you consume.

With our advanced energy rating the costs will be based on your actual energy tariffs, including all peak and off-peak rates and other bands and fixed charges. Use this knowledge to make informed decisions on new energy technologies and with accurate return on investment analysis.



We measure electrical power.

Electrical power consumption is usually the largest utility cost for any organisation. It is also the one with the greatest potential for energy reduction and cost saving. However to do this you do need to get to the detail.

Our Power Distribution Monitor (PDM) connects quickly into your distribution infrastructure by attaching small current transformers (CT) to individual circuits. This is usually completed without interruption or down-time and is scalable from small lighting circuits to large appliances and distribution boards.

The PDM takes continuous, accurate energy readings and transmits them to our GEM platform in real time. No other service combines this level of detail, accuracy and timeliness. Where the electrical infrastructure includes existing sub-metering the PDM may be used to read the energy data directly from the meters using industry-standard interfaces and protocols.



Nothing is out of reach.

Our Wireless Sensor Gateway collects data from wireless sensors all over your building. These may be many hundreds of metres apart and in hard-to-reach places.

The Wireless Sensor Gateway is a device manager – controlling and scheduling sensor data in the most efficient way and providing access to the data network and our GEM platform.

With the enhanced range of our sensors, and their ability to relay connections through each other we can provide connectivity into the farthest corner of a building or to a remote outstation at the edge of the property.

Wireless sensors are available to connect to a variety of meters and electrical systems or provide data interfaces to building management or control systems.



And we measure everything else.



WATER, WATER, EVERYWHERE **GAS, OIL, HEAT**

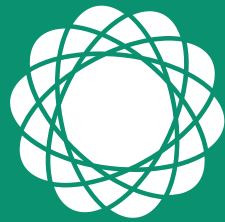
Use a meter sensor to measure water used for a whole site or for every building or room.

We measure kitchens, washrooms – individual taps if you wish. Wireless sensors are simple to install and cost effective.

No matter what you need to measure there is a wireless sensor to meet your requirement. Although typically used to capture utility data they can be used for anything. Powered by battery or mains they can be connected to any meter with a compatible output.

ENVIRONMENTAL

Knowing what goes into a building is just one part of the story. What about its effect? Measure temperature, humidity, occupancy, air quality – the possibilities are limitless. Our system collects data from all types of sensors.



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