



**The Energy & Carbon
Monitoring Platform for Hotels
and the Hospitality Sector**



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The Green Trading Company is delighted to have partnered with ZiggyTec to launch a real-time energy (Electricity, Gas, Oil) consumption monitoring and consulting service for the Hotel and Hospitality Sector – it's called;

GREENFootprint.



What can the **GREENFootprint** Service do for your business?

- **Reduce Costs**
- **Provide Real Time Energy Consumption Data**
- **Improve Employee Productivity**
- **Supports your Sustainability and Carbon Reduction Targets**

GREENFootprint is quick to install and starts working immediately for your benefit

Low Cost Solution can deliver Large Cost Savings

Putting you in control of your energy consumption – at last – not just paying bills



How Does it Work

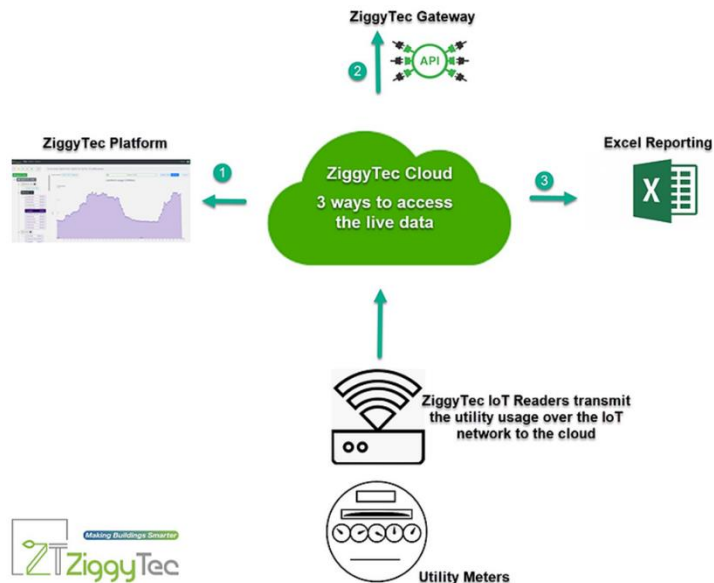
We install smart energy readers onto your existing utility meters and send the data straight to a cloud-based monitoring system.



That's it – As soon as your account is activated you will have real-time live consumption data and can track consumption from anywhere in the world.

Our technology is based on IoT (Internet of Things) networks which allows them to be battery operated with a battery life of approximately 7 years. It is almost a case of install and forget (*The same IoT technology will tell us when a battery needs replacing!*)

Setup only takes a few hours and you can access the data in three different ways





Monitoring Delivers Savings

Energy savings achieved as a result of installing a monitoring system can range from 5-20% of a businesses total energy consumption! **How?** Because what gets measured gets managed – now you will know when and where energy is being used you can take action to reduce consumption.

A properly used monitoring system pays for itself every year. As savings can be tracked and verified it also allows the business receive grants for energy efficiencies – GTC supports businesses in securing these grants

Annual Total Energy Costs	€50,000	€100,000	€150,000	€200,000
Cost per Day	€136.99	€273.97	€410.96	€547.95
5% Saving	€2,500	€5,000	€7,500	€10,000
20% Saving	€10,000	€20,000	€30,000	€40,000
GREENFootprint Total Cost – 1st Year	€1,710 (3%)	€1,710 (2%)	€1,710 (1%)	€1,710 (1%)

From only €3.66 per day

Monitoring Avoids Energy Waste and Reduces your Costs

It is vitally important to know, **in real time**, when your energy (electricity, gas, oil) is being used, and how much, so that you can implement control measures immediately – especially if you have an unexplained increase in energy because a machine is left on.

GREENFootprint allows you to set alerts to notify you when usage exceeds normal parameters which results in **reduced costs.**



Monitoring Improves Employee Productivity and Reduces Costs

If once-a-day readings (*a minimum efficiency standard*) of 4 meters are taken on a 7-day cycle averaging 15 minutes a day (*365 readings per meter per annum*) this equates to 91 man-hours spent gathering information and a similar time spent loading it into a spreadsheet – totalling 182-man hours – at a cost of c. **€3,640.** – for limited daily/weekend information – If done consistently and at the same time daily!

A 4-unit **GREENFootprint** system will cost **€960 annually** – 74% less - and deliver you 24/7 information in hourly segments (*8,760 readings per meter per annum*) and analyse and present it in a useable and actionable format and can alert you to any unusual consumption patterns. Your employee can focus on more productive work rather than mundane meter readings.

Measure Departmental Performance

Use **GREENFootprint** to monitor departmental consumption – Kitchens, Laundries, Leisure Centres, etc. With a meter attached even individual high use machines such as Ovens, Dishwashers, Air handling Units, etc. can be monitored. Set performance measurement targets and provide feedback to managers – hold them accountable for consumption.

Receive Ongoing Advice

GREENFootprint works with you to keep track of your consumption and we will provide advice and guidance on reduction strategies as well as an annual review of your consumptions.

Additional services are also available for those businesses that wish to drive consumption – and costs – down.



Additional Benefits.....

No Capital Cost

Get started quickly – this is a low-cost solution. Sign up and get your initial readers installed immediately. Charge the costs to your Utility Costs as this is where you should be expecting savings.

Avoid Estimated Readings

No more in-house meter readings are required, and real consumption costs can be measured monthly and accrued for. There will be no surprises at year end and you can compare actual usage against suppliers' invoices.

Understand Time of day consumption

Track consumption hourly and link to alerts. This allows you to identify usage patterns that do not match operational patterns – delivering information that enable changes to be made – leading to energy consumption reductions and a lower carbon footprint.

Track New Equipment Efficiency Improvements

No longer will you need to rely on supplier's efficiency claims – use **GREENFootprint** to verify actual energy efficiencies – and secure additional grants because you can verify savings.

Supports a Businesses De-Carbonisation Plan

Allows for quick and easy reporting on the businesses carbon reduction plan and allows for quick and easy Carbon Footprinting and Benchmarking.

Quick to Install

Our battery powered readers are totally independent from all your building systems. They require no power supply, no Wi-Fi, no cabling, no firewall access.

Scalable

The entry package supports 4 **GREENFootprint** readers – additional readers can be added for departments, equipment, etc. – build your knowledge and use as you grow to understand the value of the service.



How much does it cost?

From only €3.66 per day over 2 years

The entry level service consists of **4 GREENFootprint** meter readers – Ideal for Mains Electricity, Gas and/or Oil plus 1/2 Departmental Electricity consumption. We recommend this step immediately for any business – start with the initial 4 and then build up over time as you identify where more control and information are required – get control of main energy utilities now.

4 Reader system

Year 1 - Setup Fee - €750 - plus €100 per month payable Quarterly in advance = €1,950 pa (€1,710)

Year 2+ - €100 per month payable Quarterly in advance = €1,200 pa (€960)

(A 20% discount is available off the annual fee if it is paid in advance)

7 Reader system

Year 1 - Setup Fee - €1,250 plus €175 per month payable Quarterly in advance = €3,350 pa (€2,930)

Year 2+ - €175 per month payable Quarterly in advance = €2,100 pa (€1,680)

(A 20% discount is available off the annual fee if it is paid in advance)

Specific Conditions

Each **GREENFootprint** contract is for a minimum of 2 years. All monitoring equipment remains the property of GREENFootprint.

Subscription Payment frequency is 3-monthly in advance

VAT will be charged.

Ongoing Maintenance and Support

Hardware and Software are maintained and updated seamlessly – we provide the service – you get the real-time information.



We don't have gas or oil meters

We will work with you to identify what meters are required, and where. Your local electrician, plumber or energy supplier can install them for you, and we connect our readers to each meter. *(Make sure you use Registered Contractors only)*

Every business has an existing mains electricity meter and generally our readers connect easily to them. Gas (Mains and LPG) and Oil meters are often required. Many energy suppliers will assist you in installing these meters and can spread payments through your energy bill which will avoid any capital expenditure. *(We cannot connect to existing Mains Gas Meters as GNI (Gas Networks Ireland) do not allow this – GNI will install a mains gas meter communication device (Chatterbox)- at a cost- talk to your mains gas supplier)*

Heat Meters – where large amounts of heating water are used, we recommend you install heat meters – these would be particularly useful in swimming pools and air handling units where there are hot water flow and return pipes.

Hot Water Meters – these can be used for areas where large amounts of hot water are used – kitchens, laundries would be logical areas.

Water Meters – we recommend that hotels meter their mains water as water leaks are a regular occurrence in high volume business premises. Currently however Irish Water do not facilitate business owners to access their mains water meters so a hotel would need to install their own meter – as close as possible to the main supply.

All meters should be digital and must have a pulse output available to allow the readers communicate with them.