Achieving Your
Net Zero Goals

It's time to take action.

As climate change worsens, sustainability has become less of a buzzword and more of a reality.

Having used our technology to monitor the temperatures of Greggs sausage rolls, protect the efficacy of COVID-19 vaccines and deliver fuel savings of up to 80% in the construction sector, we're now enabling businesses to reduce their carbon footprint.

The Invisible Systems I-System uses Internet of Things (IoT) technology, physical sensors that are connected to the internet and our bespoke data platform, Real-Time Online.

Market leaders such as:
- **The BBC**
- **Royal Mail**
- **Primark**
- **The NHS**

are using the Invisible Systems I-System to achieve their carbon reduction targets.

POWERED BY

Invisible Systems

It's predicted that IoT has the capability to reduce emissions by as much as 63.5 gigatons by the year 2030.

That's equivalent to the energy needed by every home in the world for 8 years!

With organisations work towards net-zero goals and look to reduce costs in light of increasing prices, the demand for automated energy monitoring has increased significantly.

Whatever industry vertical your business may be in, there are several IoT applications you can make use of to **work towards carbon neutrality.**

Powered by Invisible Systems.

In the retail industry, up to 50% of these retail companies across the globe have already adopted IoT in one way or another.

As many as 80% of these early adopters have reported a significant increase in their energy and operational efficiencies, and of course, an increase in profitability.

In manufacturing, businesses are remotely monitoring the energy used by individual assets, both machines and buildings, to track trends in data and take action when efficiency falls below optimal levels.

Managing Scope 1, 2 & 3 Carbon Emissions.

Many of our customers are now making significant steps to net zero and are able to report progress effectively.

When it comes to reporting progress, you'll often see the terminology 'Scopes 1, 2 and 3 emissions' used, *but what do these numbers mean?*

We help those that are responsible for providing safe, comfortable and well-maintained smart homes. Our system enables better management of properties, remotely monitoring everything from legionella risk to energy usage and environmental conditions that lead to mould growth.

As many as 80% of these early adopters have reported a significant increase in their energy and operational efficiencies

Scope 1, 2 & 3

The three scopes are a way of categorising the different kinds of emissions a company creates within its own operation and its wider value chain, inclusive of suppliers and customers.
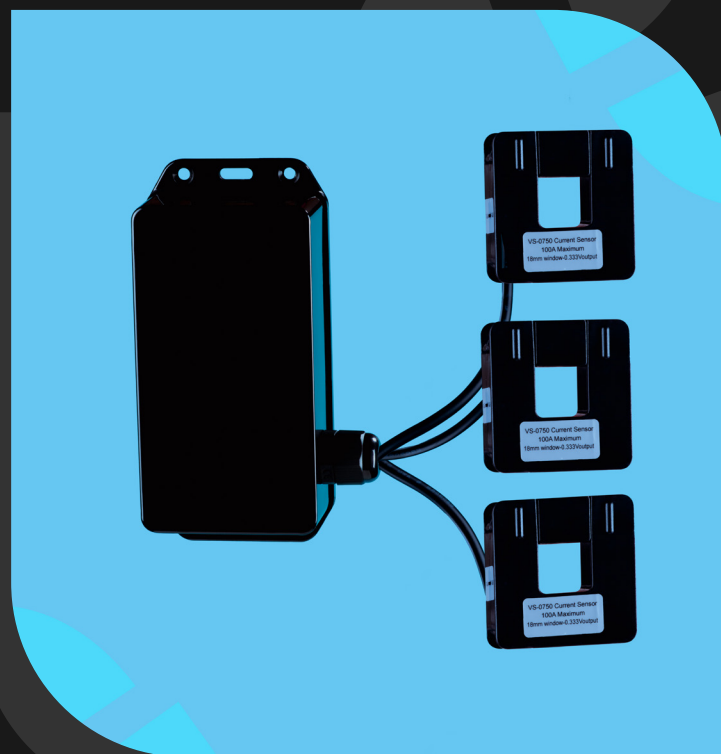
Scope 1 Emissions:

This one covers the Green House Gas (GHG) emissions that your company makes directly — for example while turning the lights on within your buildings or running your assets and vehicles.

Scope 2 Emissions:

These are the emissions you make indirectly – such as when the electricity or energy you buy for heating and cooling buildings, is being produced on your behalf, by a supplier.

Scope 3 Emissions:

Now here's where it gets a little more complicated. Scope 3 emissions include all those associated, not with the company itself, but that the organisation is indirectly responsible for, up and down its value chain. For example, from buying products from your suppliers, and from your products when customers use them. Emissions-wise, Scope 3 is nearly always the big one.

Why does it matter to you?

As of April 2022, the UK's largest traded companies, banks and insurers, as well as private companies with over 500 employees and £500 million in turnover, had to disclose climate related financial information on a mandatory basis.

It's expected that the UK Government will follow suit with small and medium-sized businesses.

Smarter energy monitoring.

The Invisible Systems I-System incorporates environmental sensors that can detect room occupancy, temperature, humidity and CO2 levels. Using real-time data, you can make decisions and encourage behavioural changes in order to save energy.

Using sub-metering in facilities allows businesses to monitor consumption costs by sections and identify areas for improvement.

You and your organisation can track real-time operational data, monitor consumption, and forecast demand to take proactive steps towards sustainability.

Automated energy monitoring enables you to effectively track your scope 1 emissions, whether it be one site or multiple, from one single pane of glass view.

Dashboards built for you.

Our custom, web-based software, Real-Time Online, shows you all of the data collected by our devices as meaningful information that you can actually use.

Data is presented to you in real-time via a simple, easy to navigate dashboard. Real-Time Online records interval data 24 hours a day, 7 days a week, delivering automated alerts should predetermined conditions fall out of threshold.

You'll also have access to convenient, automated reports.

Using real-time data, you can make decisions and encourage behavioural changes in order to save energy.

A web-based, **future proof** solution.

Our I-System solutions can help you track environmental factors, analyse the trends, then shape processes to create happier, healthier, more efficient environments for all.

From maintaining air quality in classrooms or managing individual properties, to monitoring water supplies or even building smart cities, our innovative technology can help you make improvements that benefit everyone — while also reducing your carbon footprint.

Understand your organisation.

You can build a range of monitoring into your I-System including:

- Energy
- Utilities
- Conditions monitoring
- Temperature and humidity
- Air quality
- Legionella control

- Asset security
- Vibration monitoring
- Pulse/status
- Liquid level
- Counters
- Occupancy

Ready to reach **net-zero**?

Get in touch with a member of our team, we'll be happy to help.

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