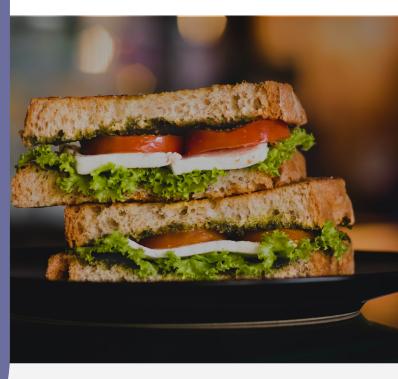# Greggs bakery chain serves up 5% annual energy savings

Manual food safety monitoring is labour intensive and prone to human error. One popular British bakery chain needed a reliable, automated solution that would help them improve compliance, reduce costs and lower their carbon emissions.

The Challenge

Greggs identified the need to automate temperature monitoring and compliance with British Retail Consortium (BRC) standards at their food manufacturing sites – specifically targeting the refrigeration and freezer units.

The required manual condition monitoring of these critical assets was labour intensive and also open to human error. The popular UK bakery chain needed to find a solution that would automate this critical process, as well as the production of records to meet BRC compliance standards.

The Solution

Invisible Systems' wireless sensor technology, combined with our Real-Time Online portal would allow Greggs to validate that continuous monitoring had taken place for the annual BRC audit.

In addition, the system would become a vital early fault warning and diagnostic tool, saving substantial costs on stock loss and asset maintenance. Further wireless sensors added automatic energy monitoring, allowing Greggs to engage staff on energy awareness – displaying a real-time 'Energy Dashboard' to on-site staff.

With the guidance of Invisible Systems, Greggs installed a comprehensive system, including wireless temperature transmitters, RF gateways, wireless pulse transmitters and wireless electricity meters, allowing them to:

- Monitor energy consumption
- Reduce carbon emissions
- Minimise lost stock
- Cut the risk of human error

Did you know?

Having started with one store over 80 years ago, Greggs now operates more than 2,000 across the UK.

Beyond Food

This kind of approach can be applied anywhere.

Our industry-leading I-System software solutions are already providing businesses like yours with useful, real-world insights on energy consumption and potential wastage — empowering them to maximise their efficiency and profitability, while reducing their environmental impact.

By connecting assets and devices, allowing them to share and analyse data, Invisible Systems can intelligently and automatically optimise your business.

Project Outcomes

Following the implementation of our I-System solution, Greggs was able to achieve:

- Automation of condition and temperature monitoring across their sites

- Automation of reporting to satisfy BRC compliance requirements

- A pro-active asset maintenance programme, leading to a reduction in costs

- Continued energy savings across all utilities of 5% per annum

> " Real-Time Online saved time and costs on our condition monitoring for BRC compliance.... We soon realised that extending the system to monitor our utilities would enable us to save energy and reduce carbon emissions "

**George Barnes,
Engineering Director, Greggs**

Ready to take control of your data?

For a comprehensive consultation on needs of your business, talk to the Invisible Systems team today.

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