

**Energy Monitoring
Greencore Group PLC**

ROI within 1 Year

38% savings

Energy M&T benefits Greencore in optimising water efficiency

“ Invisible Systems Wireless Energy Monitoring System installed on site highlighted specific water saving opportunities that were previously not realised. The system has enabled hassle free monitoring of our utilities and has facilitated strategic projects to increase our resource efficiency ”

Greencore Group plc is a food company in Ireland. Established by the Irish government in 1991 when they privatised Irish Sugar, today its lines span mainly convenience food related interests in the Republic of Ireland and the United Kingdom. Greencore is today the world's largest sandwich manufacturer with a 36% share of the UK market, supplying to Tesco, Asda, Marks & Spencer, Sainsbury's, Co-op, and Waitrose. It is listed on the London Stock Exchange and is a constituent of the FTSE 250 Index.

invisible systems This Case Study is based on Solutions provided by Invisible Systems Ltd.
DELIVERING INFORMATION

Project Objectives

Business sector: Food Manufacturing

Customer needs:

- ✓ Establish energy savings
- ✓ Improve production
- ✓ Install a system with no impact to operation or IT infrastructure

Project Outcomes

Product selected: Energy Monitoring

Customer benefits:

- ✓ High energy consumption identified
- ✓ Provided accurate live data
- ✓ Targeted energy saving programme
- ✓ No interruption to manufacture

Greencore site at Manton Wood recommended Invisible Systems to one of their site in Kiveton. Greencore's Prepared Meals business produces ready meals, sauces, chilled soups and quiches for major retailers in the UK.

The Kiveton site identified a need to understand energy consumption within its manufacturing process that could be installed quickly, had no interruption on the manufacturing process and provided granular half hourly energy data.

"The energy monitoring system is working very well and is now part of our energy agenda."

Thomas Miles BSc MSc PIEMA

Environmental and Energy Monitoring

After the initial investment for the Realtime-Online™ system, Greencore have utilised the system, to monitor their biggest energy users and have developed a cost saving.



Following on from the successful energy monitoring installation at the factory in Kiveton, Greencore are expanding the system to incorporate effluent monitoring at the Kiveton site.



Benefits

- Threshold acceptations by email
- Automated Energy Reporting
- Realtime-Online™ web browser
- Targeted energy reduction
- Reduced operating costs
- Eliminate energy waste

Invisible Systems is a software & electronics design manufacturing company that focuses on Energy Saving, Compliance and Asset management via robust RF wireless Monitoring and Energy solutions with our Realtime-Online software management portal.

Our solutions include Energy metering, Critical Asset management, Boiler Control, Water Hygiene & Food temperature compliance, plus general condition monitoring and control.