



Case Study

Client: McVitie's

Services provided: Energy Surveys

Industry: Food and drink manufacturing

Benefits achieved: Savings of >£840k identified over 3 years

Summary

JRP Solutions selected the McVitie's manufacturing facility at Tollcross, Glasgow to participate in a collaborative project using the Energy Initiator® methodology and software tool. The objective of the project was to identify how energy was being used across the business and more importantly how energy costs might be significantly reduced.

The McVitie's plant at Tollcross, Glasgow produces approximately 40,000 tonnes of biscuit products per annum across twelve process lines consuming approximately £2m of energy each year. It was clear from the outset that the site had little focus upon energy and had limited resources to effectively address energy related issues.

Scope

To gain a real insight into how energy was being used and where it was being wasted at the Tollcross site, JRP used Energy Initiator® to investigate:

- Two representative process lines
- Eight individual assets
- Warehouse
- Boiler house
- Common utilities (including gas, electricity, steam, compressed air)

Results

Eighty improvement opportunities were identified, including specific capital projects, maintenance improvements and behavioural changes which would reduce the site's energy consumption by more than

£840k within three years reducing the site's CO₂ emissions by 117,000 te.



The typical payback for these improvement opportunities was just 1.4 years. Key recommendations were made which included the development of a detailed Five Year Energy Plan, the prioritisation and implementation of improvement projects and a training programme designed to raise knowledge and awareness of energy throughout the business to effect cultural and behavioural change.

"Energy Initiator® was deployed at Tollcross and identified numerous practical wide ranging improvement opportunities that, predicated savings based on analytical findings, could reduce our energy costs by a staggering 41%." – Stephen Marshall, Engineering Manager, McVitie's.

To find out more about the above or to discuss your requirements, call George Richards, Director on 0800 6127 567 or email george.richards@jrpsolutions.com.

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