



# McDonald Restaurants Reduce their Emissions

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Peter Schroeder, Restaurant Services Consultant, McDonald's Restaurants Ltd

McDonalds Case Study

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McDonald's mission is to be the UK's best family restaurant and they believe that this involves protecting the environment at both local and global level. They strive to ensure that their operations today do not have a negative impact on the lives of future generations.

McDonald's goal is to achieve continuous environmental improvement. They are committed to complying with all current legislation and, where possible, acting in anticipation of future environmental legislation. Their environmental programme is based around the hierarchy of 'Reduce, Reuse, Recycle', and they are committed to continuous evaluation and improvement of this programme. The policy is reviewed annually and updated where necessary, forming the basis for environmental improvement objectives that influence the way they do business.

One area where this is paramount is Restaurant Operations, which focuses on restaurant processes to improve energy efficiency and minimise impacts associated with odour, noise, effluent and emissions to the atmosphere.

With this in mind, a range of energy saving devices, including SavaControls, were tested at Tothill Services. It was found that the savings in running costs achieved by fitting SavaControls to refrigeration and HVAC equipment at Tothill Services would be substantial and would result in a payback of just over 2 years. Other benefits include a reduction in CO<sub>2</sub> emissions and less stress on the motor or compressor, leading to longer life expectancy.

SavaWatt was established in 1985 and over its long history has established itself as a market leader in saving energy. Over the years, SavaWatt has had the privilege to work with organisations within every sector across the globe, helping them save energy for over 25 years, many of which are market leaders in their sectors.

SavaWatt produces a range of products that help reduce energy consumption within commercial and industrial buildings. The range of controls offered range from SavaControls for AC induction motors as found in air-conditioning and refrigeration, SavaLight which reduces lighting costs and the SavaBoiler which reduces heating and hot water costs.

## In Pete Schroeder's own words:

*"A trial in 2001, under my supervision, was undertaken at Tothill Services, Newbury (Site 953) where SavaControls were attached to the two compressors of the kitchen HVAC units."*

*"I can confirm that during the trial the electrical consumption of the two compressors with SavaControls attached reduced by 19.4% and 21% respectively. There have, to my knowledge, not been any subsequent problems with either the SavaControls or the HVAC units themselves."*

