

Report on Single Phase Installation Programme in Whitbread Restaurants Group (>20% Savings with Payback <1.6 Years)

Whitbread Restaurants Division is a part of Whitbread Group Plc consisting of eight principal brands, Out & Out, Beefeater, Brewers Fayre, Brewsters, Costa Coffee, TGI Fridays, Maredo and Pizza Hut.

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Beefeater
RESTAURANT & PUB



**Whitbread Group Head Office, Luton,
Bedfordshire, England**

In 2002 EMS (European) were commissioned to trial EnviroStart products for two months on all fridges, freezers, bottle coolers and air conditioning systems in three representative sites. The results of these trials showed that on systems fitted with EnviroStart, savings of 21% - 28% were achieved. As the units to which EnviroStart were fitted constituted a major part of the energy consumption on each site overall site savings were >10% of their previous electrical energy bill.

Following the success of the trials Whitbread Restaurants extended the installations to all 700+ sites within the Out and Out, Beefeater, Brewers Fayre, Brewsters and TGI Friday locations in the UK.

Though there were a small number of three phase systems installed across the estate the majority of the items were 240-SPMEC-10A single phase units. Over 85% of the installed items were installed with default settings; there were two principal reasons for shifting from the default, one being that the fridge or freezer to which they were fitted had an old electro mechanical thermostat, in which case the two minute restart delay was enabled and second where the system required a very high start torque in which case the "kick start" was enabled.

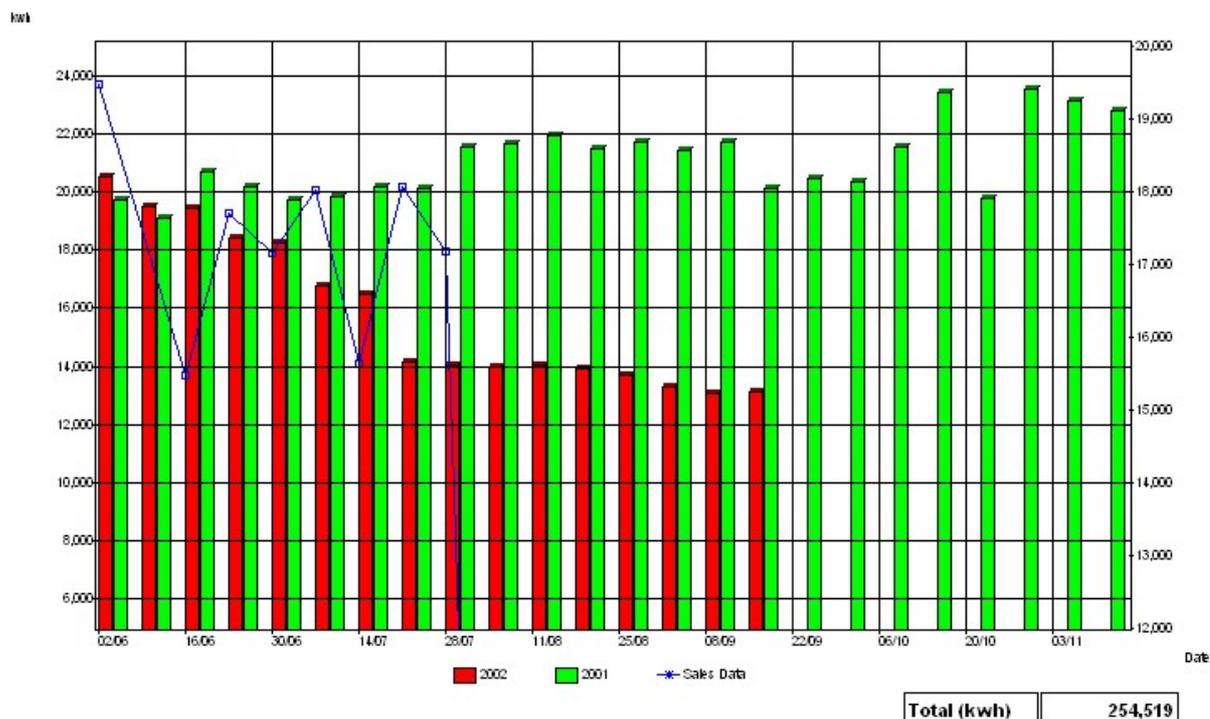
Overall more than 16,000 units were installed on the principal parts of the Whitbread Restaurants Estate through a twelve month period from June 2002 to May 2003. Overall failure and reliability on this installation has been demonstrated to be >99.97% with a failure rate of <0.0003% on all units supplied.

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Site Weekly Profile From 01/06/02 and 01/06/01

Site Name	Lakeside	Manager	Shaun
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The above detail is from one of the initial trial sites, the Brewers Fayre, Lakeside Restaurant in the West Midlands. The information is presented for two years and indicates an estimated saving of £50/per week giving > £2,500 per annum. The payback on this site was < 1.25 years, overall across the estate the payback was <1.6 years. Total energy cost reduction across the estate was £1,500,000 which amounted to 10.2% of the total electricity bill carried by the Restaurant Group of Whitbread.

Not only was EnviroStart able to reduce the direct electrical energy costs for Whitbread Restaurants Group but they were also able to reduce the Carbon Dioxide emissions of the Group by up to up to 8 tonnes per month per site. As UK companies are charged for CO² emissions this secondary savings was of considerable importance and allowed Whitbread to identify themselves as being “Green” within the European Guidelines and Statutes.

A copy of the letter of endorsement from Whitbread Restaurants Group dated 19th July 2003 is attached to this report.

Report compiled by Dr. Jonathan Hughes and Martin Hollis of EMS (European) Ltd 30th August 2004

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WHITBREAD RESTAURANTS

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19 July 2004

Re: **EMS (European) Ltd**

Whitbread Restaurants were looking to reduce energy costs and environmental impact in the hope of offsetting the effects of the climate change levy and future anticipated electricity price increases.

Subsequent investigations established that a major area of electricity consumption was through the restaurants Refrigeration requirements, (fridges, freezers and bottle coolers).

Trials carried out in 2002 established the credibility of various energy savings technologies. Amongst the most effective was the EMS (European) EnviroStart motor energy control system.

In 2002/03 Whitbread undertook installation of the EnviroStart MEC's onto all refrigeration and air conditioning units throughout its Restaurants Division.

The application of this technology resulted in savings to Whitbread of greater than £1,500,000 through financial year 2002/03 and is expected to contribute even further during 2003/04.



PAUL ROGERS
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WHITBREAD PLC
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Enjoy Eating Out

OUT & OUT BEEFEATER BREWERS FAYRE BREWSTERS COSTA TGI FRIDAY'S MAREDO PIZZA HUT