

## Case Studies

JD Wetherspoon PLC

JD Wetherspoon, The Jack Fairman, Horley



## wetherspoon

### Wetherspoon cut through energy

*Preservation and protection of the environment is key to JD Wetherspoon and The Jack Fairman, Horley.*

Since opening their first pub in 1979, JD Wetherspoon has become one of the UK's most popular and successful highstreet free houses and currently have 683 pubs in the UK.

Their emphasis on creating a positive impact on society means JD Wetherspoon consider how they can interact positively with the environment and those around them. JD Wetherspoon are committed to continuously updating their environmental policy. Along with other policies, they have introduced processes to minimise energy consumption:

***"We have set ourselves a target to reduce business wide usage of energy and water consumption tangibly year on year"***

*Source: JD Wetherspoon Website*

FIT's **Cheetah Energy Control System** has been introduced into The Jack Fairman, Horley to reduce ventilation energy consumption in its commercial kitchen. The system controls the extract and supply fans which only allows the fans to run when necessary.

Using temperature, smoke/steam and flow sensors it detects the heat, steam and smoke created by cooking and reacts accordingly by altering the fan speed up and down when required.

This is a great benefit to The Jack Fairman as the **Cheetah Energy Control System** not only reduces energy consumption from the extract and supply fans but also reduces heating and cooling losses. It also helps save money and time for the restaurant by reducing maintenance costs resulting in equipment having a longer life span and needing less repair.

The Jack Fairman will be saving 36167kWh per year giving them a great monetary pay back and a 69% reduction in their ventilation energy consumption.

## Contact Us...

Food Industry Technical Ltd  
40 Ivanhoe Road  
Finchampstead  
Berkshire RG40 4QQ

Tel: +44 (0) 118 973 9310  
Fax: +44 (0) 118 973 9311  
Web: [www.foodindustrytechnical.com](http://www.foodindustrytechnical.com)  
Email: [enquiries@foodindustrytechnical.com](mailto:enquiries@foodindustrytechnical.com)



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kWh Before  
fan controls

kWh After  
fan controls

**52464kWh**

**16297.5kWh**

**Reduced energy consumption - 69%**

**Annual Saving in Pounds - £2,729**

**Pay back of initial investment - 1.88 yrs**

## Annual savings for The Jack Fairman, Horley

The Jack Fairman's extract fan was monitored for two weeks, one with the **Cheetah Energy Control System** and one without.

The graph below shows the ventilation energy consumption saved with the **Cheetah Energy Control System** (dark blue) running considerably lower than pre installation (light blue).

Before the **Cheetah Energy Control System** was installed the extract fan ran at 4kW, 24 hours a day (96kWh per day), yet after the

installation this is reduced to an average of 26kWh per day, giving The Jack Fairman a very good return on investment

### Energy Saving Objectives

JD Wetherspoon is looking to increase its energy reduction by considering the **Cheetah Energy Control System** in other properties.

3 day comparison graph for The Jack Fairman, Horley with percentage of energy saved.

