



## Lossnay brings Fresh Air Technology to J D Wetherspoon

When J D Wetherspoon, one of the UK's largest pub, hotel and restaurant chains invested £2M in a new pub restaurant called The Cribbar in Newquay, Cornwall it wanted to create optimum comfort for its customers.

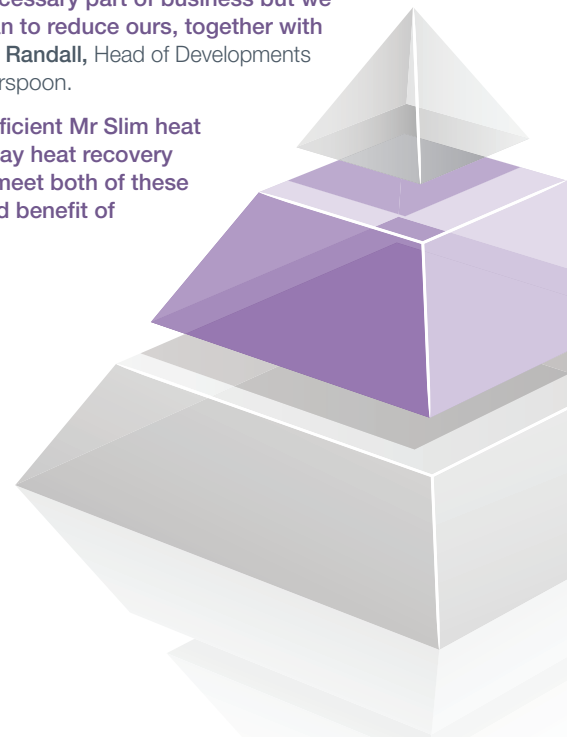
The company is committed to driving down its carbon footprint and energy costs, whilst giving customers the perfect environment in which to enjoy a meal and a drink. Crucial to achieving this goal is a design with the best heating, cooling and ventilation system possible.

**“Energy consumption is a necessary part of business but we take every opportunity we can to reduce ours, together with our carbon footprint”** said **Jon Randall**, Head of Developments and Acquisitions for J D Wetherspoon.

**“The installation of energy-efficient Mr Slim heat pumps combined with Lossnay heat recovery ventilation has helped us to meet both of these goals and offers us the added benefit of reduced running costs”.**



Air Conditioning | Heating  
Ventilation | Controls





## Installation Summary

J D Wetherspoon invested £2M into The Cribbar in Newquay

The company is working towards a more environmentally-sustainable future

During the summer months, Lossnay can even provide The Cribbar with cool fresh air without the need for any air conditioning

With over 800 outlets around the country the potential for energy reduction within the company estate is vital so J D Wetherspoon has partnered with Mitsubishi Electric to examine how further improvements can be achieved. There is simply no room to compromise on quality or performance so energy reductions have to be achieved with innovative thinking, state-of-the-art design and intelligent, sustainable technology.

Working together J D Wetherspoon and Mitsubishi Electric looked closely at how best to design a new system for The Cribbar that would be energy aware but still fulfil J D Wetherspoon's criteria for maintaining customer satisfaction.

**“J D Wetherspoon is working towards a more environmentally sustainable future and we've put in place several measures to help accomplish this. The addition of Lossnay to our new venture in Newquay will help the company to achieve this goal without any compromise to customer comfort”** said Jon Randall, Head of Developments and Acquisitions for J D Wetherspoon.

J D Wetherspoon was already using a LPHW radiator system in the premises to provide heating and hot water to the building. They added a heat pump driven air conditioning system to supply supplementary heating in the winter, and comfort cooling for the warmer months.

To enhance the efficiency of the heat pumps J D Wetherspoon installed Mitsubishi Electric's Lossnay fresh air ventilation units to work alongside the split systems.

The clever technology at the core of the Lossnay system lies in the paper heat exchanger where incoming fresh air and excess warm air from the building cross. Heat energy and moisture are recovered from expelled air and used to warm up the incoming fresh air. Around 80% of the heating energy that would otherwise be lost is recovered using Lossnay.

During summer months Lossnay can even provide The Cribbar with cool fresh air without the need for any air conditioning! When the outdoor temperature is lower than the indoor room temperature (typically in the spring time and during summer evenings), Lossnay will introduce fresh, cool air into the building and the air conditioning system can be turned off.

With the addition of Lossnay units to The Cribbar the air conditioning system does not need to work nearly as hard, thereby reducing the energy requirement and running costs for the pub restaurant.

Having installed the best possible heating and cooling system for their new family friendly venture, J D Wetherspoon has turned its attention to ensuring that the radiator, ventilation and air conditioning systems work together in the most efficient way possible and do not fight each other. The company is now considering the addition of an intelligent BEMS system to talk directly to the Mitsubishi Electric components. This will guarantee that J D Wetherspoon achieve their goal of driving down energy use and the company's carbon footprint even further.

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