



Calorex fits the bill at Britain's oldest hotel

Supplying Calorex hot water heat pumps to Britain's oldest hotel has played a vital role in improving their energy efficiency.

The Maids Head Hotel in Norwich has installed a new hi-tech environmentally friendly £300,000 energy efficient capillary heating and cooling system in 46 bedrooms in the oldest part of the hotel.

The system, slashing fuel bills by a third, feature a pair of bespoke Calorex Pro-Pac reverse cycle heat pumps tailored to keep rooms warm in winter and cool in summer.

The Maids Head was the first hotel in Norfolk to install the system, which featured capillary mats hidden in the bedrooms' ceilings and some 2000 metres of piping connecting the capillary mats to the heat pumps, which drives hot and cold water throughout the piping while the temperature is controlled by a dial in each bedroom.

The units were sited on the building roof, causing minimum disruption to the fabric of the ancient structure.

Typically, for every unit of energy that a Calorex heat pump uses it will convert 2.5 times this amount to usable heat, giving a COP of 3.5. The potential energy savings are huge.

The work at the Maids Head Hotel was completed in 2015 and there are also plans to extend the new heating system to the hotel's public areas in the future.

Christine Malcolm, general manager at the Maids Head Hotel said: "We are developing a range of sympathetic refurbishment and renovation projects to ensure that our historic hotel meets the expectations of 21st century visitors.

"The new capillary heating system will give guests cutting edge year-round temperature control in part of the hotel, which dates from the 15th century. It will also have the added benefit of reducing heating costs in an environmentally friendly way."

