



# 7 ways to lower your property running costs

We understand the value an efficient air conditioning system can offer our clients. New design solutions will provide a high level of comfort and efficiency whilst reducing carbon emissions and running costs.

## 1. Heat Recovery

Heat recovery solutions offer dramatically improved energy efficiency. Energy waste is minimised by recovering heat from the stale air expelled from buildings and using it to heat incoming cool air. This reclaimed heat can be used in various ways to cut costs. It can:

- Produce hot water in sinks, showers and radiators
- Provide underfloor heating
- Connect to solar panels to increase solar thermal energy for hot water

## 2. Self Cleaning Cassettes

Self cleaning cassettes can improve the system's performance, providing greater efficiency and lower running costs. This innovative technology can deliver annual savings of up to 49%.

Some systems automatically clean the cassettes once a day. The auto cleaning filter collects dust in the unit via a vacuum cleaner nozzle ready for removal twice a year.

## 3. Movement Detection & Time Switch Settings

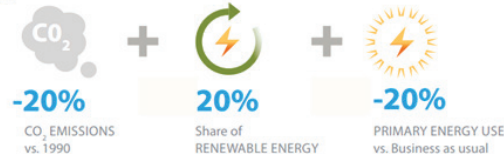
When a building is unoccupied, movement detection systems automatically turn off the air conditioning unit in that specific room, preventing energy waste in unoccupied spaces.

Similarly, time switch settings allow the user to schedule the system's operational times: for example, an office can set the system to switch off automatically at 6pm and turn on again at 8:30am. This technology ensures that the system is never running when the building / room is empty, resulting in considerable cost savings.





#### European action plan 20/20/20



By the year  
**2020**

## 4. Smart Inverter Controls for Enhanced Comfort

Smart inverter controls maintain room temperature at a virtually consistent level thus avoiding the typical temperature fluctuations of 'on-off' control systems. This reduces energy waste and allows users to choose a consistent, optimum temperature for their requirements.

## 5. Auto Defrost Systems

Some of the latest outdoor units are specially designed to avoid problematic ice build-up in winter conditions as severe as -25°C. This ensures sufficient heat pump operation for even the coldest climates.

The units do not stop heating whilst operating their defrost cycle. This stops temperature fluctuations and gives you increased energy efficiency and cost savings.

If you want to see how our services could lower your property running costs, contact us on [enquiries@acenv.co.uk](mailto:enquiries@acenv.co.uk) or ring 01189 213 151

## 6. Planned Preventative Maintenance

A Planned Preventative Maintenance (PPM) program not only prevents breakdowns, but also extends the life of your equipment. The program ensures that the equipment operates at its optimum highest efficiency, thus reducing the overall running costs.

Without regular maintenance, all of your system's warranty is voided; a PPM program protects your capital investment.

## 7. Saving Energy by Design

Air Con Environmental are experienced in developing and designing solutions that increase energy efficiency and reduce your running costs. Engaging with an experienced solution-led contractor will increase your system's energy efficiency and generate savings of up to 50% per annum.

Through years of industry experience, our relationship with main air conditioning manufacturers such as Daikin, Mitsubishi and Toshiba guarantees that you will receive the best solution on the market.

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