

# RENSAIR

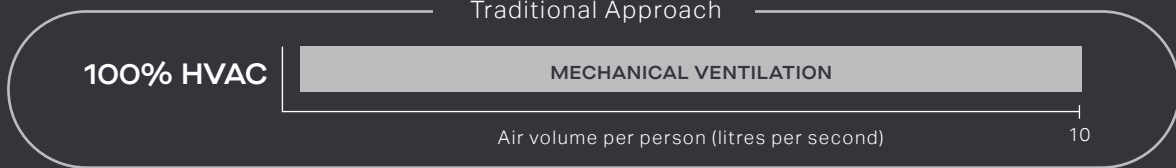
Clean Air. Certified.

## Energy costs going through the roof? Save 40%

Effective airborne particle reduction is essential for a healthy indoor environment but:

### PROBLEM

Traditional Approach



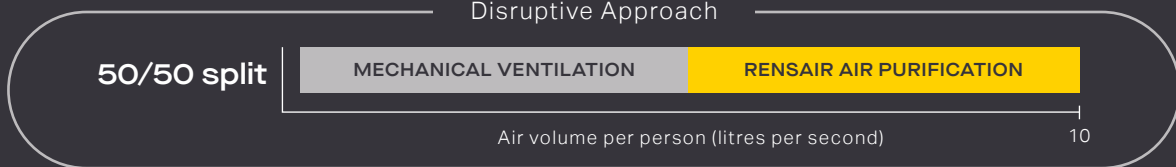
HVAC > 40% of typical building energy

Energy costs have tripled

High operating costs and carbon footprint

### SOLUTION

Disruptive Approach



Slash energy consumption and reach net zero target

CAPEX  
Payback 1 year

RENTAL  
Immediate saving

[rensair.com](https://rensair.com)

## MECHANICAL VENTILATION ENERGY CONSUMPTION

- Mechanical Ventilation introduces outside air into a building, which needs to be conditioned to a constant temperature to ensure a comfortable indoor environment.
- That requires either:
  - Cooling and dehumidifying through Air Handling Units (AHUs)
  - Heating in the winter, via radiators or AHUs

...which is why a typical HVAC system can account for **HALF** of a building's total energy consumption.

### THE IMPACT OF A SHARP RISE IN ENERGY COSTS IS HUGE

## SOLUTION: OFFSET MECHANICAL VENTILATION WITH RENSAIR AIR PURIFICATION, WHILE MAINTAINING GOOD INDOOR AIR QUALITY

Effective Airborne Particle Reduction = Mechanical Ventilation + Rensair Air Purification

Expensive

Low cost

- Deliver as much Rensair Air Purification as possible to reduce costs:
  - Use the Mechanical Ventilation to maintain an acceptable CO<sub>2</sub> level.
  - CO<sub>2</sub> levels can be maintained at 1,100 ppm with a Mechanical Ventilation rate of 5 litres per person per second.
- Make up the Total Effective Airborne Particle Reduction balance with Rensair Air Purification to meet WHO standards (10 l/s/p).
- This allows for a reduction of the more costly Mechanical Ventilation in favour of more affordable Rensair Air Purification, whilst maintaining (or even improving) Indoor Air Quality.

## COST SAVINGS FROM INCLUSION OF AIR PURIFICATION IN A 100 PERSON OFFICE

WINTER  
OUTSIDE TEMP: 5°C  
INDOOR TEMP:  
21°C

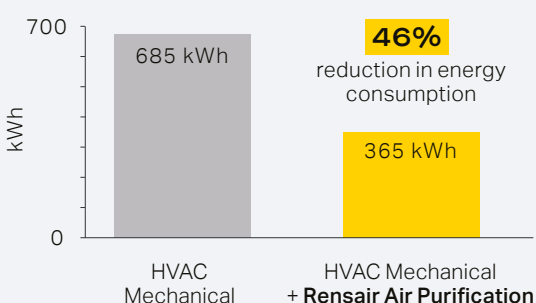


SUMMER  
OUTSIDE TEMP: 30°C  
INDOOR TEMP:  
21°C

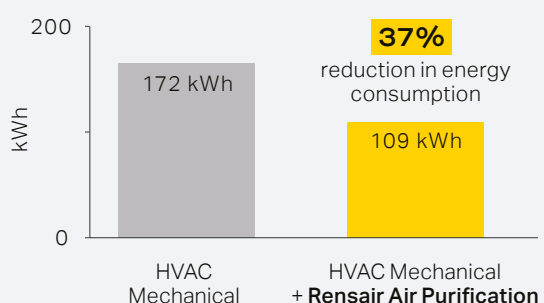


RENSAIR DEVICES

### WINTER DAILY ENERGY CONSUMPTION



### SUMMER DAILY ENERGY CONSUMPTION



# RENSAIR

Clean Air. Certified.

Contact Rensair to find out more about  
saving 40% on the energy costs of your building.

- TYPE

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