

RENSAIR

Clean Air. Certified.

Smart Demand Controlled Ventilation

By optimising mechanical ventilation with much cheaper air purification, Rensair delivers excellent Indoor Air Quality (IAQ), whilst significantly reducing ventilation energy consumption

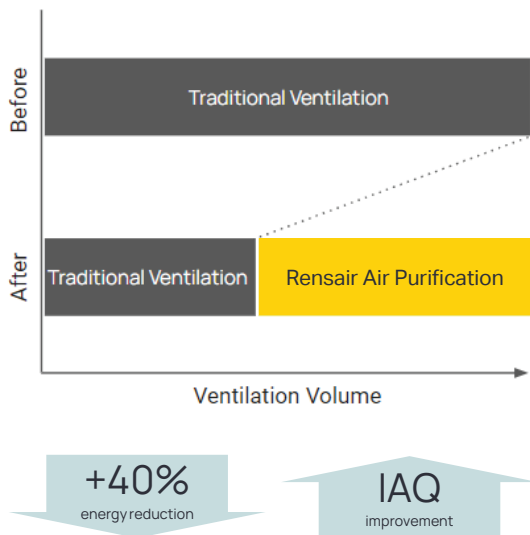
9X less ventilation energy

Rensair Energy Consumption:

0.6 Watts per m³

Typical Ventilation System:

5.5 Watts per m³



Rensair's value proposition

Smart Demand Controlled Ventilation (SDCV) ensures excellent Indoor Air Quality (IAQ) whilst minimising energy consumption and building carbon emissions.

SDCV part substitutes expensive mechanical ventilation with substantially cheaper air purification AND also ventilates according to occupancy rates, thereby significantly reducing wasteful ventilation when occupancy is low.

Rensair is implementing SDCV with large multinationals and leading universities. For a typical office building, data confirms that SDCV can reduce ventilation related energy consumption by more than 40% and carbon emissions in excess of 50%.

Implementation

Rensair has developed and patented industry-leading air purification equipment with high quality air sensors and full IoT connectivity to BMS. This is new disruptive technology to ventilate buildings.

Rensair proposes appropriate solutions in consultation with clients. After assessing indoor spaces, Rensair designs a tailor-made plan that takes into account occupancy rates, room sizes, use, and the existing ventilation system. Installation is straightforward and can occur in a very short period of time, unlocking immediate energy savings.

After installation, a client receives live Indoor Air Quality data and the building will ventilate efficiently through a continuous optimisation of Rensair air purification and mechanical ventilation.

An SDCV solution can be provided either through a Subscription model (**OPEX**) or as an upfront investment (**CAPEX**). The instant energy savings typically more than offset SDCV subscription fees. **The ROI for CAPEX is less than 2 years.**

Background

Rensair air purification technology was originally developed and patented for use in Danish hospitals. Rensair provides Indoor Air Quality (IAQ) management solutions that meet health guidelines and regulatory requirements, using its portable hospital-grade air purifiers. Rensair's foundation in clinical environments has fostered a strong client base and today, Rensair is used in healthcare settings, offices, and educational facilities across the world.

The efficacy of Rensair's product portfolio is backed by comprehensive independent validation by leading laboratories, including Eurofins and the NHS. Rensair's core markets are the UK and USA, but it has distributed to over 40 countries worldwide.

Rensair's SDCV offering has been very well received by diverse business verticals in their quest to achieve Net Zero Carbon targets.

Clients trust Rensair



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