

RENSAIR

Clean Air. Certified.

Rensair is a specialist in **Indoor Air Quality (IAQ) management**

- **Reduce ventilation Energy Consumption and Carbon Footprint** by 40%+
- Achieve an immediate **Return on Investment**

Clients trust Rensair



Rensair recently delivered an energy reduction of 541,000 kWh (384 tonnes CO2e) to a London building. This is equivalent to removing 75 homes from the grid.

Indoor air quality was simultaneously improved.

Annualised figures for the London headquarters of a global insurance company

From a foundation in healthcare, Rensair now offers solutions in three verticals

Explored in this presentation

Healthcare

Value Proposition

Infection Prevention, reduce risk of airborne disease transmission

Target market

Hospitals, GPs, dentists, care homes, assisted living

Clients include



Real Estate: Energy & ESG

Value Proposition

Reduce energy consumption and carbon emissions with better IAQ

Target market

Commercial real estate, offices, universities, government

Clients include



Transport

Value Proposition

Reduce risk of airborne disease transmission, better IAQ

Target market

Trains, buses, cars and taxis, underground train stations

Clients include



Need to rethink how buildings are ventilated

Facts



Indoor Air Quality (IAQ) is vital to human health



Building ventilation is energy intensive, damaging the environment



Office occupancy is low and unpredictable

Challenges

1

Optimise the ventilation rate for good IAQ and prevent wastage

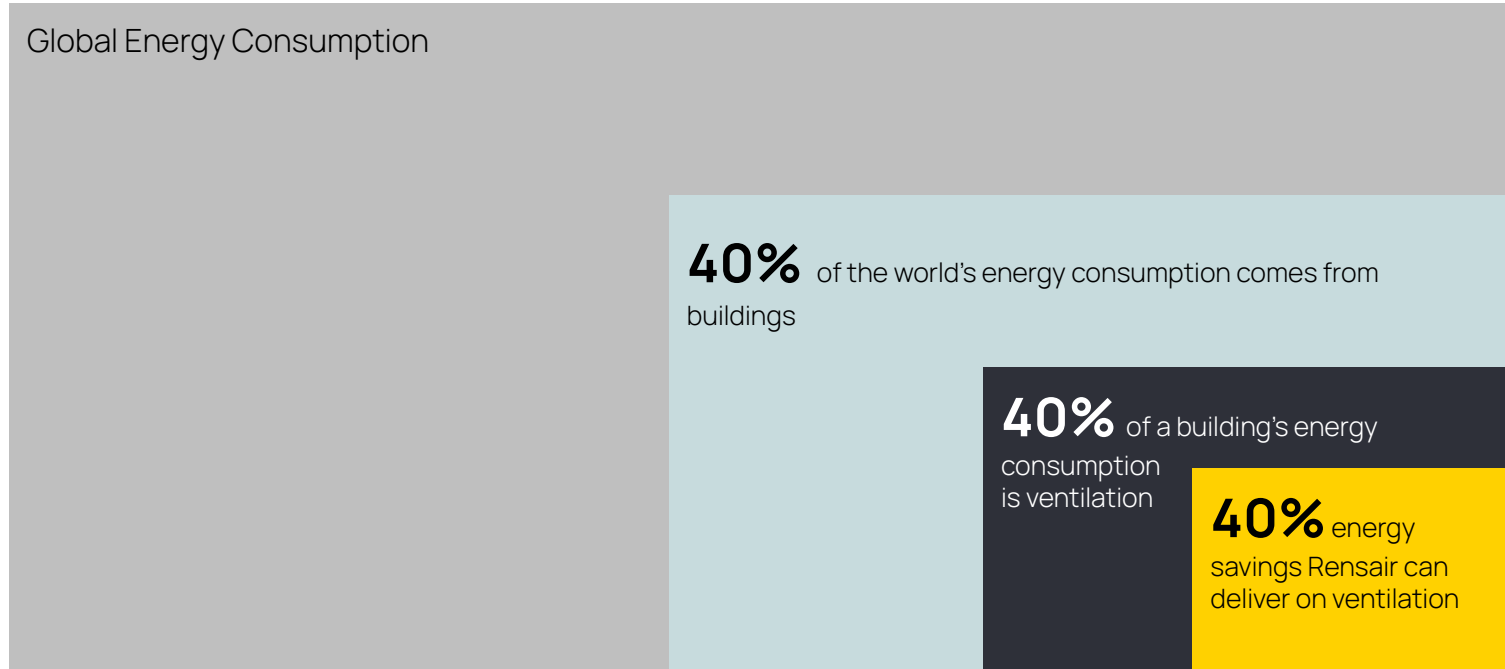
2

Trade-off between sufficient ventilation and reaching Net Zero

3

Confront rising energy costs

Need to rethink how buildings are ventilated



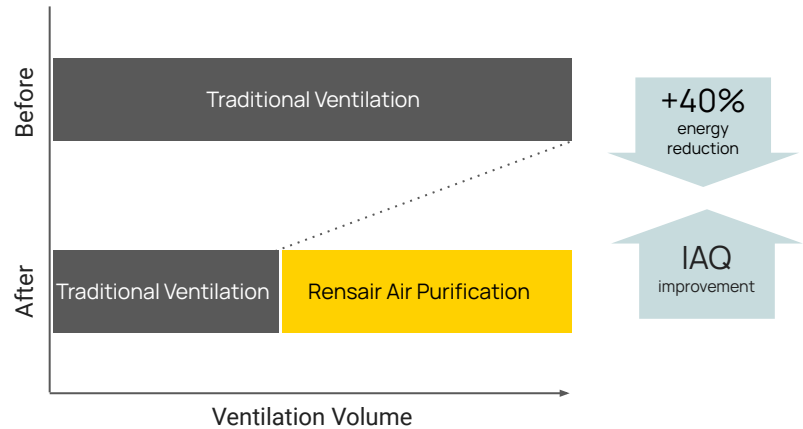
Rensair Smart Demand Controlled Ventilation (SDCV)

Energy Consumption per f3 of Air:
Rensair air purification is far cheaper

New Ventilation Mix:
Reduce outside air intake, substitute with air purification

9x less energy

Rensair Energy Consumption: 0.017 Watts per f3
Typical Ventilation System: 0.156 Watts per f3

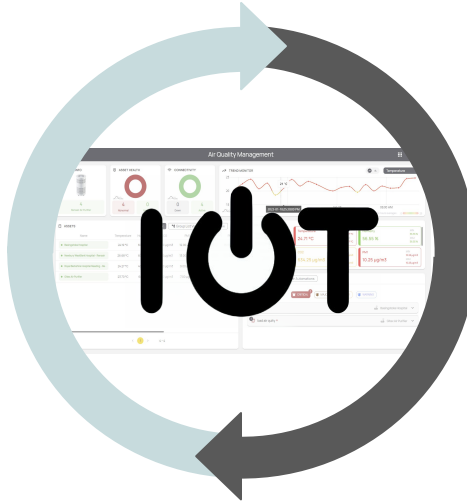


Enabled by state-of-art air purification technology with IoT connectivity

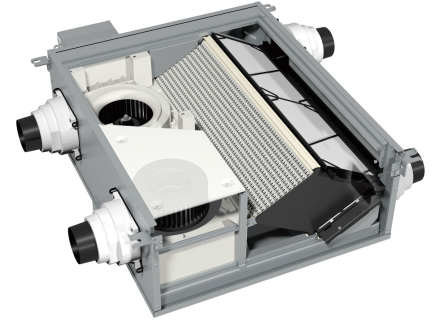
Rensair Air Purification & Sensors



IoT Connectivity & Software Platform



Building Mechanical Ventilation System



Efficacy verified by world leading institutions



Case Study One: 47% energy reduction and improved air quality

Data generated at Irish Tier 1 University after implementing SDCV

| Weekly Data | Before | After | Rensair Impact |
|-----------------------------------|-------------------------|---------------------------------|--------------------------------|
| Energy Usage | 557 kWh/day | 293 kWh/day | 47% LESS energy |
| Air Quality | Good | Excellent | SIGNIFICANTLY IMPROVED |
| PM2.5, Average Reading | 1.7 µg/m ³ | 0.6 µg/m ³ | 68% reduction |
| PM2.5, Max Reading | 15.3 µg/m ³ | 3.3 µg/m ³ | 79% reduction |
| CO2, Max Reading | 726 ppm | 784 ppm | Still excellent |
| Ventilation | Mechanical Only | Mechanical and Air Purification | Same volume, new mix |
| Ventilation Volume Delivered | 10 litres/second/person | 10 litres/second/person | Unchanged |
| Estimated Carbon Emissions Saving | - | - | 45% emissions REDUCTION |
| ROI Subscription (OPEX) | | | Immediate |
| ROI (CAPEX) | | | 2 years |

Background and Methodology

- Irish tier 1 university with more than 21,000 students and 3,000 staff. The university is among the greenest universities in the world.
- The data was collected during February and March 2023 in two similar sized lecture theatres ventilated by a single Air Handling Unit (AHU). The combined capacity of the lectures theaters is 171 occupants and occupancy was constant during the trial period. The AHU runs weekdays 8am to 7pm.

Case Study Two: 71% energy reduction and 384 tonnes CO2e savings

Data generated at London office of Fortune 100 company after implementing SDCV

Annualised Savings

| | | |
|-------------------------------------|--------------------|-----------------------------|
| Reduction in kWh | 541,903 kWh | 70.5% |
| Savings in £, incl Climate Levy Tax | £40,493 | 60.7% |
| Total carbon emissions reduction | | 75.0% |
| Carbon emissions reduction | | 384 tonnes CO2e |
| Air Quality | | Excellent Maintained |
| ROI Subscription (OPEX) | | Immediate |
| ROI (CAPEX) | | 2.4 years |



Case Study Two: Emissions savings equivalent from 384 tonnes saved

384 Metric Tons of Carbon Dioxide (CO₂) equivalent

This is equivalent to greenhouse gas emissions from:

| | |
|--|---|
| 82.7 gasoline-powered passenger vehicles driven for one year | 953,259 miles driven by an average gasoline-powered passenger vehicle |
|--|---|

This is equivalent to CO₂ emissions from:

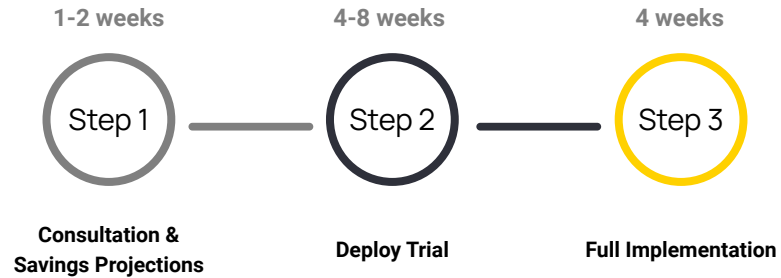
| | |
|-------------------------------------|--|
| 43,213 gallons of gasoline consumed | 37,725 gallons of diesel consumed |
| 424,902 pounds of coal burned | 5.1 tanker trucks' worth of gasoline |
| 48.4 homes' energy use for one year | 74.7 homes' electricity use for one year |
| 2.1 railcars' worth of coal burned | 889 barrels of oil consumed |

This is equivalent to carbon sequestered by:

| | |
|---|---------------------------------------|
| 6,350 tree seedlings grown for 10 years | 454 acres of U.S. forests in one year |
|---|---------------------------------------|

Simple implementation

Implementing Rensair SDCV is simple and can be done in weeks



Immediate Return on Investment

Rensair offers two payment models to suit client preferences

OPEX - Subscription Model





- Subscription service with monthly all-in fee
- Monthly Energy Saving offset Monthly Subscription
- ROI: Immediate with lower emissions and better air

CAPEX - Equipment Purchase

- Purchase equipment upfront
- Low annual maintenance costs
- ROI: 2-3 years

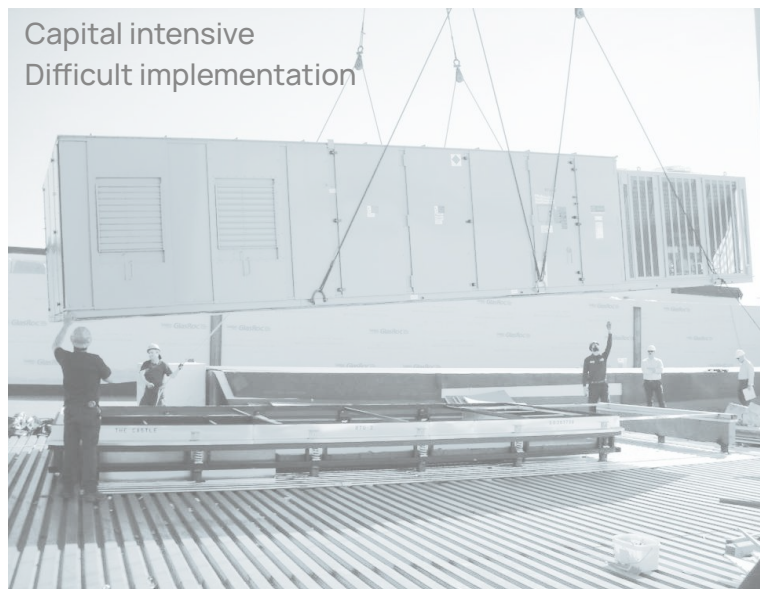
No equivalent competitive solution

Other air purification companies do not offer similar technology

| | Advanced IoT | Recommended Technology (*) | Kills Pathogens | Independently Certified |
|---|--------------|----------------------------|-----------------|-------------------------|
| RENSAIR | ✓ | ✓ | ✓ | ✓ |
|  | | ✓ | | ✓ |
|  | | ✓ | | ✓ |
| dyson | | ✓ | | |
|  | | | | |
| Fellowes | | | | |
|  | | | | |

(*) UK SAGE Committee and US EPA

Only viable alternative is upgrading the central HVAC system



The world's leading institutions trust Rensair

HEALTHCARE



GOVERNMENT



UNIVERSITIES/EDUCATION



FACILITY MANAGERS



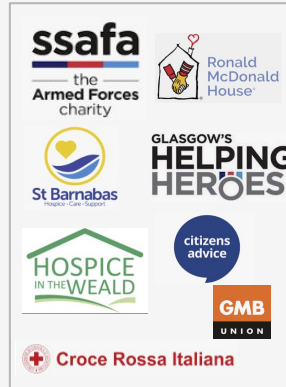
INFRASTRUCTURE



MEDIA



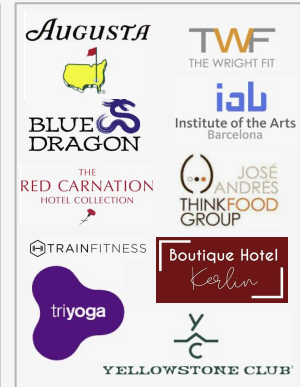
NOT-FOR-PROFIT



CORPORATES



OTHERS



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