



De-stratification is recommended  
by The Carbon Trust\*

# AIRIUS IN CAR SHOWROOMS

Save 20-50% on heating & cooling  
costs with Airius - **The world leaders**  
in De-stratification technology



Web: [www.airius.co.uk](http://www.airius.co.uk)

Tel: 00 (+44) 0 1202 554200



# Car Showrooms

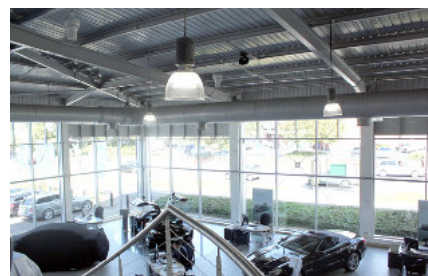
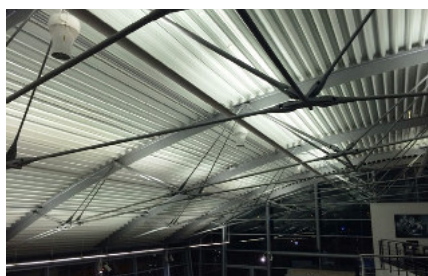
While your sales and service team provide excellent customer service, Airius teams up with your HVAC system to provide increased comfort and energy savings. From showrooms, to parts storage and service bays, Airius has a solution to fit.

Airius provides efficient air movement to recirculate rising warm air to the floor during the winter and reduce the cooling load during the summer. If you have a facility with exposed structure take a look at our Standard Series Range, for architecturally sensitive spaces check out the Designer Series and for a facility with suspended ceilings check out our Suspended Series Range.



## Features & Benefits

- **Vastly improved comfort levels all year round**
- **30%+ reduction in heating costs**
- **25%+ reduction in cooling costs**
- **25%+ reduction in carbon emissions**
- **Rapid ROI - Usually 12 - 24 months**
- **Recycles heat from solar gain, lighting etc.**
- **Reduced showroom/garage heat up time**
- **Condensation reduced or eliminated**
- **Significantly reduced HVAC maintenance costs**
- **Works alongside ALL types of HVAC systems**
- **Minimal running costs (from £6/pa)**
- **Increases lighting lifespan**
- **Balances mezzanine temperatures**
- **Eligible for carbon reducing grants/loans**



It is critical in a showroom environment that potential customers are kept comfortable so they browse for longer. Many showrooms suffer from both extremes of temperature. In showrooms with high ceilings heating can be costly as the heat rises from the floor area and away from your customers and staff. Showrooms with glass walls often act like a greenhouse resulting in uncomfortably high temperatures.

The Airius retail destratification system directs the hot air trapped in ceilings back down to floor level in winter. In summer efficient air circulation creates a 'breeze' which has a natural cooling effect, thus reducing the amount of air conditioning needed. The air circulation will also prevent any fogging or condensation forming on glass walls, keeping your products clearly on display.

If you are looking to reduce your energy consumption and costs, improve the internal atmosphere and comfort levels for customers and staff and reduce your businesses carbon emissions the Airius retail destratification system is the cost effective solution.



# Installation Images



# Client Testimonials



Mercedes-Benz

**“ The destratification fans have proved a resounding success! ”**

"Ista Energy Solutions Ltd is an independent utilities and energy management consultancy who have adopted different technologies and engineered solutions to meet the energy reduction objectives and targets of their clients. A recent initiative has been carried out for Mercedes Benz UK in their Watford Showroom where Arius destratification fans have been employed to improve comfort levels and reduce energy consumption for heating.

Before the fans were installed the showroom was cold and several electric fan heaters were in use. Through monitoring and reporting of consumption at the fiscal metering at the site Ista has been able to prove that the destratification fans have proved a resounding success with perception of comfort being improved so that there is no need for localised heaters. The heating load has been reduced considerably, not just by the removal of the localised heating but also through centralised plant which now maintains comfort levels where previously it had been incapable of doing so at times."

Matthew Murphy - Ista Energy Solutions Ltd

**“ Staff on both floors commented on the lovely comfortable temperatures ”**



Newmarket Motors

"We (Electrical Mechanical Controls Ltd - Ireland) surveyed the VW Showroom as the owner had expressed that he was having problems with uneven temperatures between the upstairs offices and downstairs offices and showroom. Staff upstairs were too hot and the staff downstairs were working with their coats on at times. The Showroom has 3 sides of glass, floor to roof. They have 4 combined heating/cooling units with the temperature set at between 30 – 33°C with 4 blowers set to maximum.

Since installation the temperature on the A/C units have been reset at between 18 – 22°C with the 4 blowers on the low setting and 2 of these are turned off intermittently for approx. 2 – 4 hours per day. Staff on both floors commented on the lovely comfortable temperature in comparison to before the system was fitted. These have been monitored during the cold spell of weather that we are experiencing at the moment."

Sean Browne - Dealer Principal



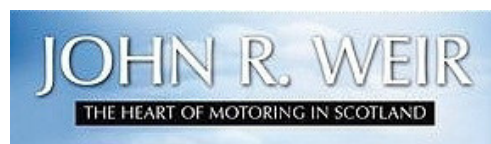
**“ The effectiveness is felt immediately. A worthwhile investment! ”**

"Airius destratification fans were installed after some consultation works with the Carbon Trust. The installation of these fans is simple. The effectiveness is felt immediately. We were able to reduce the running times of our warm air heating system dramatically yet still retain a comfortable environment for staff and customers. As we all know, hot air rises and these fans make best use of recirculating high level warmth and placing it firmly at floor level. A worthwhile investment!"

Ian Whitelaw - Director



# Selected Client List



# Volkswagen Showroom

- HO: Milton Keynes

Volkswagen



Volkswagen Group (UK) Ltd installed the Airius system into their Head Office Showroom in Milton Keynes, saving them 20,000 kWh on their gas consumption per month and giving them a return on their investment within 90 days.



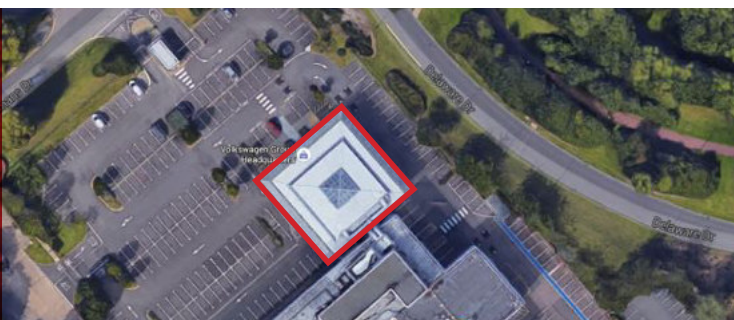
## Key Points:

- **ROI = Under 90 days**
- **£460 - Monthly savings (2.3p/kWh)**
- **20,000kWh - Monthly gas reduction**
- **14°C - Stratification before Airius**
- **1-2°C - Stratification after Airius**
- **HVAC run-time reduced by approx. 24 hours**
- **45 tonnes - Approx. annual CO2 reduction**

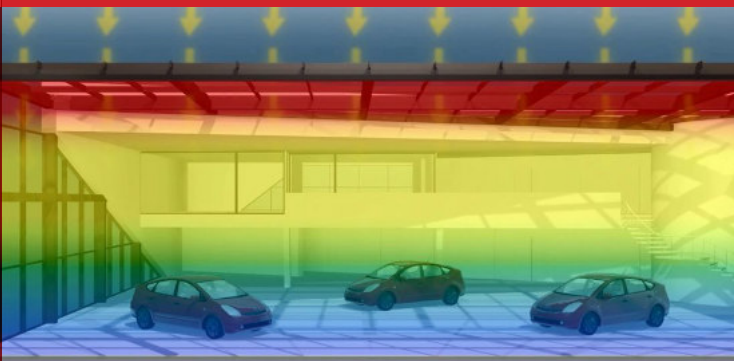
During winter heating conditions the Volkswagen showroom suffered severely from stratification, with temperatures reaching 32°C at high level and 18°C at low level.

Airius model 25 destratification fans were specified and installed. These gave a much more comfortable even temperature throughout the showroom. It was also noted that the heating, which normally ran all day trying to reach it's set temperature, would by midday switch off and not start again until after 4pm.

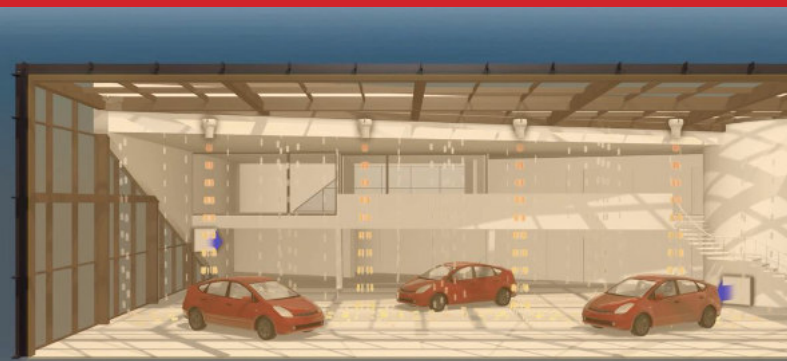
Gas readings indicated that each month 20,000 kWh less gas was now being used. Based on a figure of 2.3p/kWh the monthly savings were £460. The running costs are minimal, each unit consuming only 35 watts. Within 3 months all the purchase and installation costs had been recovered.



**BEFORE AIRIUS**



**AFTER AIRIUS**



# Newmarket Motors - Cork Showroom



Newmarket Motors

Newmarket Motors installed the Airius system to address unbalanced temperatures in their Cork showroom. Conditions were too hot on the first floor and too cold on ground floor.

Following installation this problem was eliminated, with the added benefit that the workload from the AC system was highly reduced.



## Key Points:

- **Approx. 12°C heating reduction.**
- **A/C settings reset from 'high' to 'low'.**
- **Heating reduced by approx. 24 hours per week.**
- **Conditions resolved by recirculating 1st floor high temperatures down to ground floor level where conditions were too cold, thus also solving ground floor low temperature problem.**

They needed to resolve the uncomfortably high temperatures experienced on their first floor and the uncomfortably low temperatures found on their ground floor, which were creating unsuitable conditions for their staff to work in.

The Airius destratification system was simple and quick to install and not only resolved the temperature imbalance, but also highly reduced the output, workload and operating times required from the A/C system offering significant savings on their energy costs.

## Testimonial

*"The owner had expressed he was having problems with uneven temperatures between the upstairs offices and downstairs offices and showroom. Staff upstairs were too hot and the staff downstairs were working with their coats on at times. The Showroom has 3 sides of glass, floor to roof. They have 4 combined heating/cooling units with the temperature set at between 30 - 33°C with 4 blowers set to maximum.*

*We installed 3 Airius Model 25's. The temperature on the A/C units have now been reset at between 18-22°C with the 4 blowers on the low setting and 2 of these are turned off intermittently for approx. 2-4 hours per day.*

*Staff on both floors commented on the lovely comfortable temperature in comparison to before the system was fitted. These have been monitored during the cold spell of weather that we are experiencing at the moment."*

**Sean Browne - Dealer Principal**



## CONTACT US

# Get in touch!

### **Airius Europe, Africa, Middle-East & Asia**

Holwell Farm  
Cranborne, Dorset  
BH21 5QP - UK

Tel: (00) 44 1202 554200  
Fax: (00) 44 1202 554396  
Email: [airflow@airius.co.uk](mailto:airflow@airius.co.uk)  
Web: [www.airius.co.uk](http://www.airius.co.uk)

### **Airius Americas**

811 South Sherman Street  
Longmont, Colorado  
80501 - USA

Tel: (00) 1 888 247 7327  
Fax: (00) 1 303 772 8276  
Email: [info@airiusfans.com](mailto:info@airiusfans.com)  
Web: [www.airiusfans.com](http://www.airiusfans.com)

### **Airius Oceania**

2/14 Brandon St.  
Suffolk Park  
NSW 2481  
Australia

Tel: (00) 61 0 401 848 888  
Email: [info@airius.com.au](mailto:info@airius.com.au)  
Web: [www.airius.com.au](http://www.airius.com.au)



For more case studies, demonstration videos, client lists, testimonials and product information visit us at:

[www.airius.co.uk](http://www.airius.co.uk)