



De-stratification is recommended  
by The Carbon Trust\*

# AIRIUS IN SPORTS & LEISURE

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



# Sports Facilities

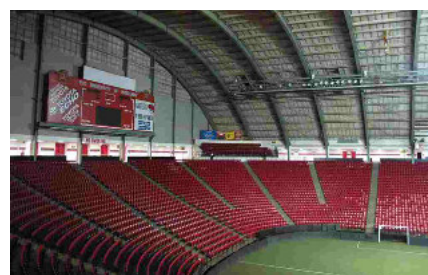
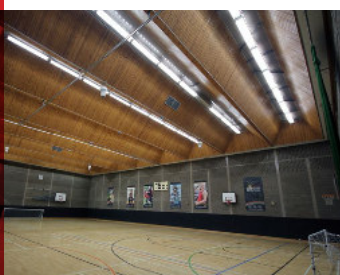
Controlling energy costs as well as achieving and maintaining comfortable internal environments in leisure centres is expensive and challenging.

Leisure facility operators don't need to be told that energy costs come second to labour costs which is not surprising due to the very nature of the design and size of most sports buildings. It does not matter if it's a swimming pool, gym or sports hall; altogether they create a challenge for any HVAC system not only to maintain required temperatures but create environments which are agreeable for users.



## Features & Benefits

- For both heating and cooling applications
- Easy retro installation or designed into new build specification
- Inexpensive to operate with no maintenance
- Near silent operation with ultra-low energy requirement
- Create dramatically improved air circulation providing better conditions for sports users
- Reduce swimming pool heating costs by utilising heat rising from the water
- Significantly reduces pool side temperature complaints
- Eliminates or reduces condensation problems
- Air flow does not interfere with sporting activities
- Reduces heat build-up in upper tier viewing areas

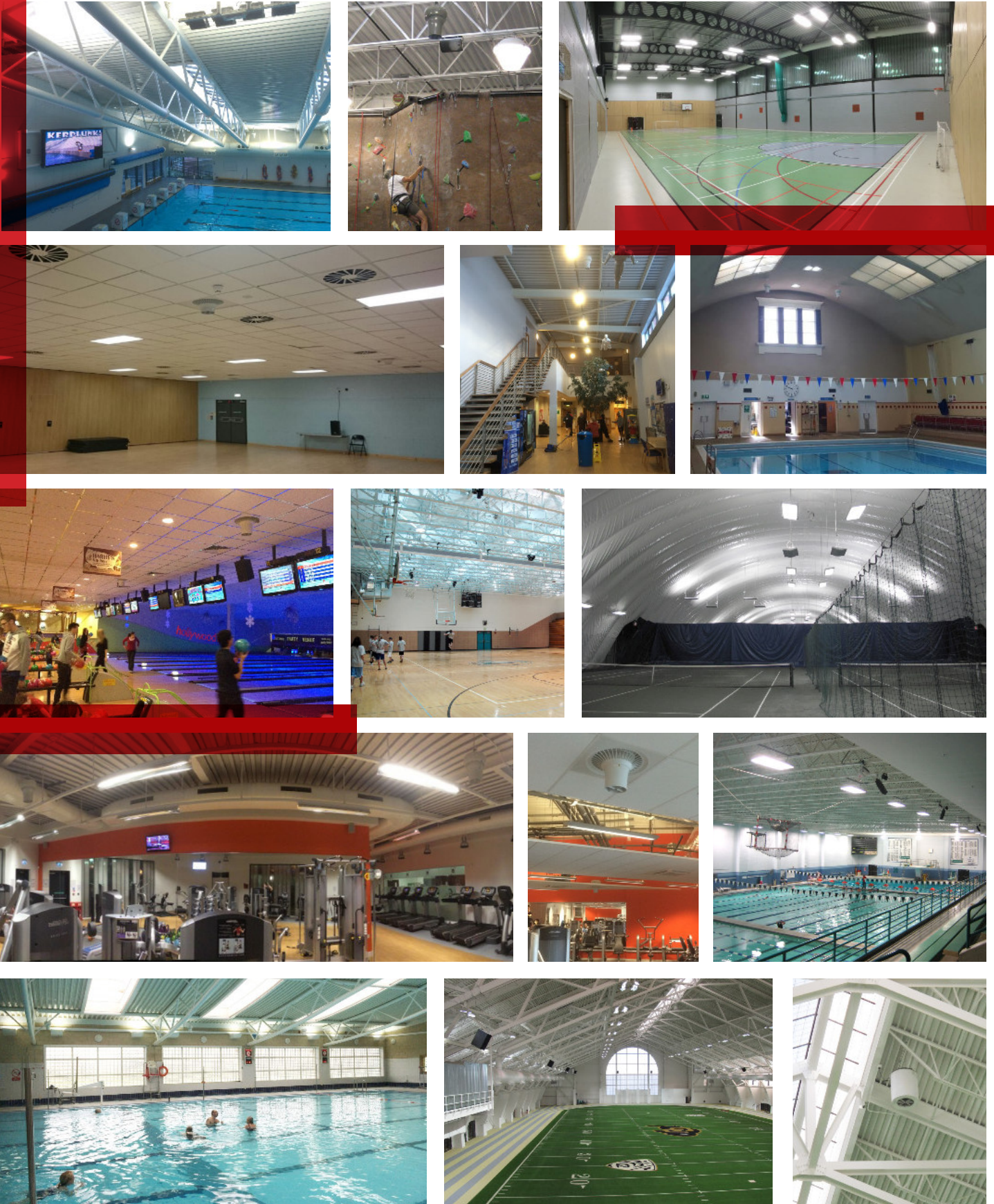


Airius destratification fans work simply and inexpensively alongside all types of HVAC equipment to improve your energy management by balancing temperatures, reducing both heating and cooling costs by between 20 to 50% or more and create gentle air movement throughout the internal space.

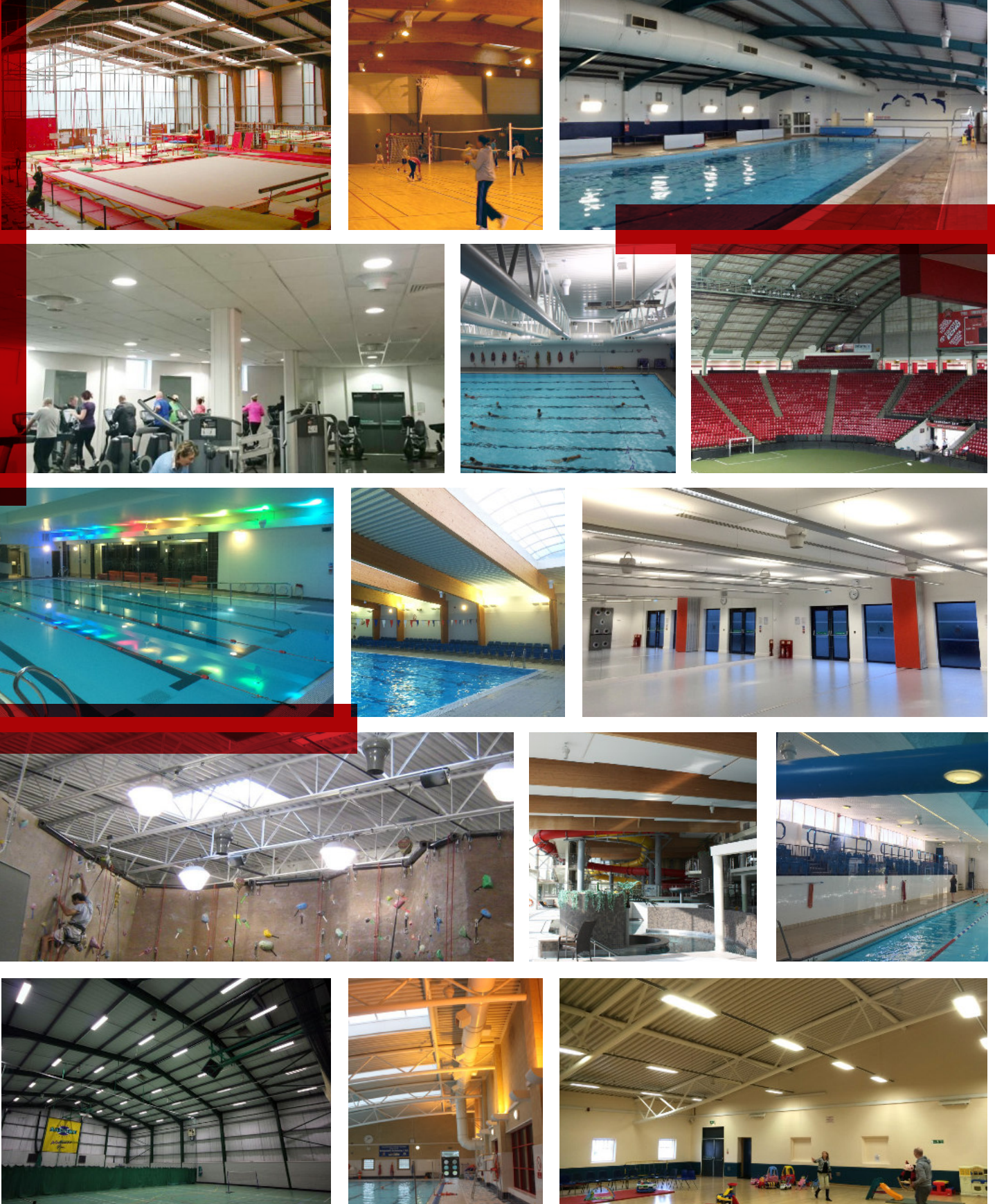
Airius are World leaders in destratification fan technology and have the largest range of fan units that can be installed into both open and suspended ceilings and are suitable for any leisure centre application such as:

- Communal spaces such as reception, crèche rooms, offices, cafes and ancillary areas
- Gymnasiums, dance studios and fitness centres
- Swimming pools
- All types of multi-purpose sports halls
- Indoor tennis and cricket halls
- Bowling alleys and skating rinks
- Indoor climbing centres
- Changing rooms and shower facilities

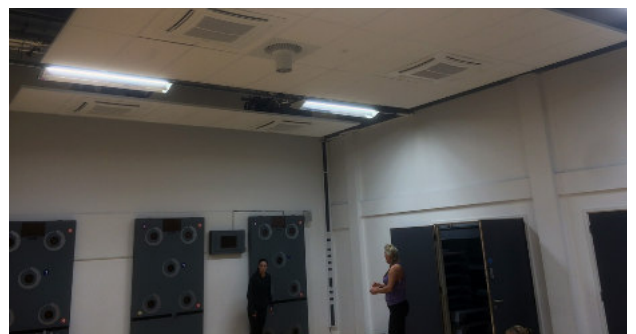
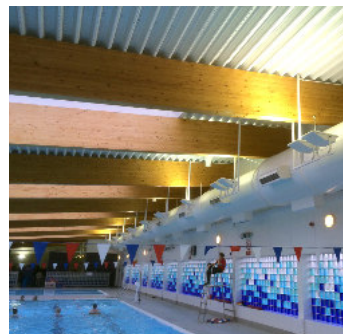
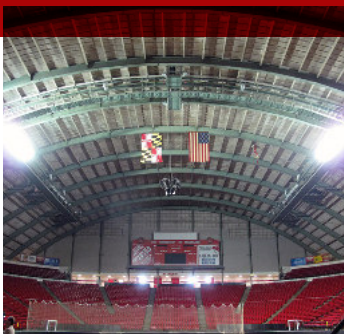
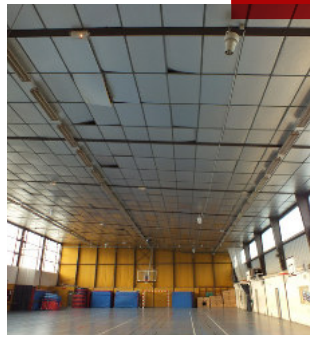
# Installation Images



# Installation Images



# Installation Images



# Client Testimonials



“ The temperature within the hall has stabilised dramatically ”

"After fitting the Airius fans at a local Sports Centre we have noticed that **the temperature within the hall has stabilised dramatically.**

We carried out remote temperature readings before and after installation and after the installation, we noted that the variance in temperature over a 24 hour period was between 1 and 1.5 degrees, this is a significant improvement over previous findings. In addition, feedback from Centre users has been very positive with a number of **customers commenting on the “freshness” of the internal environment.**

We have been requested by the Centre Manager to **reduce the set point temperature in the Hall by 2 degrees. We've also been asked by the Centre Manager to switch the heating off 2 hours earlier than normal.**

Duncan A. McLaren BSc, PgDip, AIEMA - Senior Energy Technician

“ A saving of over 70% on our cooling costs. The system has far exceeded our expectations. ”



"We are very impressed with the results Airius fans have achieved in our ten pin bowling centre at Nantgarw in South Wales.

The atmosphere inside has been greatly improved **reducing staff & customer comfort complaints by 90%.** They have also allowed us to increase our thermostats from 19°C to 23.5°C **resulting in a saving of over 70% on our cooling costs.**

The Airius system has far exceeded our expectations & will be standard equipment for all our 18 bowling centres in the UK."

Ben Carne - Energy Manager



“ Its reduced our heating costs by an impressive 25% in the swimming pool ”

"We installed Airius destratification fan units into 2 sports halls and the swimming pool area at the Sixmile Leisure Centre, Newtownabbey.

**These units have made a vast improvement to the internal atmosphere within the buildings** and the public who use the facilities find the air quality greatly improved for sporting activities. The heating systems come on much less often and the **complaints from swimmers about the warmth in the swimming pool area has reduced by 90%.**

We have found **the Airius units have reduced our heating costs by an impressive 25% in sports halls and swimming pool area; the thermostat in the swimming pool building has also been turned down 2°C!!!"**

James Dunn - Facilities Manager

# Client Testimonials



“ They are safe, quiet and energy efficient and allow us to save on our air-con costs ”

"I would like to compliment your company on a fine product.

We use your Airius System in our 6,000 sqft. rock-climbing gym. Rock-climbing gyms present a unique challenge when thinking about ventilation. Climbers do not want to climb up into a hot area, whilst customers at the bottom of the “rock” still need to be kept warm. We needed warm air at ground level with no increase in temperature as the climber ascends the wall.

**The Airius system is perfect in this application.... they are safe, quiet and very energy efficient and allow us to save on our air conditioning costs."**

Matt Lambert - Owner

“ I would highly recommend Airius destratification fans ”



Knowsl@y Council

"Since the installation of the units **the air quality and temperature has vastly improved and people are now feeling a lot more comfortable in the environment.**

I would highly recommend the Airius destratification fans as they have been the perfect solution to our problem."

Tom Lyons - Knowsley Council

Midlothian



“ The objective was air quality improvements for a public swimming pool ”

"The objective was air quality improvements for a public swimming pool at Loanhead Leisure Centre.

Installing the Destratification Fans was a first for us and addressed a need to improve the working environment of the pool-side staff. **The fans were straightforward to install** through our M&E contractor A McKay & Co.

**Now that the system is running in co-ordination with the air handling plant this has been achieved successfully."**

David Hamer – Maintenance Surveyor

“ Our customers have commented on the improvement ”



**The Rawlett School**  
An AET Academy  
To make our best better

"I would like to thank the Airius team for being very helpful and informative.

**The Airius units have provided us with a sports hall that is now comfortably heated for the winter months and our customers have commented on the improvement."**

Lynne Galsworthy - Business Manager

# Selected Client List





# Selected Client List



# SCEGGS Sports - Basketball Courts



Leading private school, SCEGGS Darlingtonhurst, had a significant over-heating problem in their multi-purpose Basketball hall. They had considered blade fans to increase air movement, but these were vulnerable to impact and they wanted a more aesthetic and cost effective solution. So they contacted Airius.

Not only was the Airius solution cheaper to install, but was more durable, covered a greater floor area and provided ample cooling, without the need for an expensive Air Conditioning system.



## Key Points:

- **Basketball Court:**
  - 1,000m<sup>2</sup>.
  - 10m high ceiling.
- **Airius solution = 8 x Model 60's.**
- **Comfort levels increased dramatically.**
- **Cooling effects felt immediately.**
- **Simple, quick & cheap installation.**
- **Durable & resilient to impact.**
- **Also reduces heating costs in winter.**

SCEGGS facility manager Keith Stevenson approached Airius to help address severe over-heating problems in their 1,000m<sup>2</sup> multi-purpose Basketball Court facility.

The basketball courts were in a room 10 metres high with a concrete ceiling. Tennis courts were located on the floor above, which contributed to the over-heating.

8 Standard Airius Model 60 units were supplied with two five Amp (SC-05) Speed Controllers, for an installed cost 20% cheaper than blade fans, whilst also providing greater floor coverage.

As a bonus the units were adjustable in any direction. This allowed SCEGGS to direct the air flow to where it was needed, but without causing interference to activities such as badminton, where normally the airflow from alternative fans would impact on the flight of the shuttlecock.

The improvement in comfort inside the space was instant and they indicated that even on the warmest summer days the air movement offered cooling and made the space much more comfortable and usable.





***“The Airius system has been in operation for six months now. We are more than happy with the results.*”**

***The space is a lot more usable in the summer months. We have received great feedback from both the school PE department and also external hirers.***

***We are extremely happy with the performance and comfort we receive since installing these Airius fans and would happily recommend them to other organisations needing to circulate air and increase thermal comfort.”***

Keith Stevenson - Facilities Manager, SCEGGS Darlinghurst.



# Hilton Brown - 2 x Swimming Pools

**Hilton Brown**  
**SWIMMING**  
Lessons for life

Indoor pool owners and operators have ongoing problems with condensation impacting the amenity and longevity of their pools. Corrosion and mould cause damage, glass fogging obstructs view, constant drips and puddles cause injury and it has an overall negative impact on the amenity in the pool.

Hilton Brown Pools use the Airius system in two of their five recreational and competitive swimming pools to combat all these problems (and more!) and have already made arrangements to install Airius into another two.



### Key Points:

- **Hilton Brown (Albany):**
  - Main pool & changing rooms.
- **Hilton Brown (Havelock North):**
  - Main pool.
- **2 x additional pool systems on order.**
- **All condensation problems rectified.**
- **Pool heating costs reduced significantly.**
- **Comfort effects felt immediately.**
- **Eliminated unpleasant odours.**

Howard Gumbley, General Manager at Hilton Brown's Pools contacted Airius to address severe condensation problems in two of their swimming pool facilities in Albany and Havelock North.

At their Havelock North site condensation was impacting on the main pool area, whereas at their Albany pool condensation was causing problems in the main pool and changing rooms.

Both building interiors were constantly damp, benches were wet and water would drip on spectators, especially on cold days. Anything metal or mechanical was particularly affected; locks and automatic doors were jamming and rust was uncontrollable, even on galvanised metal. Being constantly damp, the concrete walls became discoloured and paint deteriorated rapidly. Mould and unpleasant odours were also large problem.

For the Albany pool, which measured approximately 20 metres by 12 metres, the Airius Standard Series model 60 was specified. In the changing room the smaller Standard Series model 15 was recommended.



***“Within hours we noticed a difference. Two days later the entire space was a lot drier, with less damp odour. We had spent vast sums of money installing mechanical air handling units and ducting systems in this space, but there were still areas where instructors and customers found it very humid.***

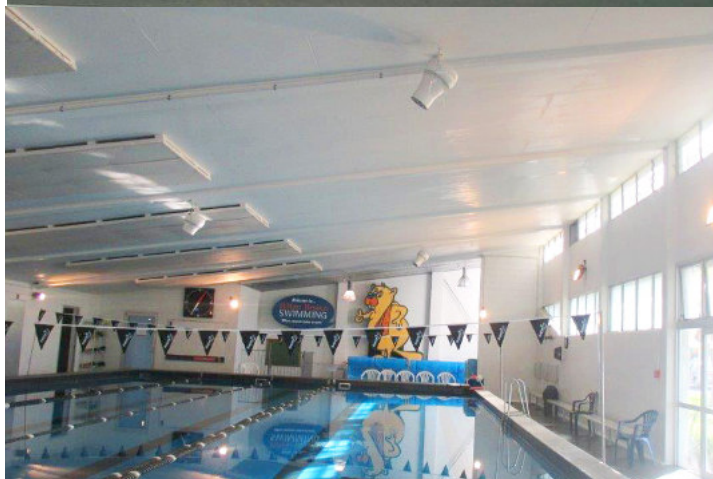
***The Airius system not only alleviated this issue, but helped dry out an end wall that was often wet with condensation. We have since installed other Airius units in more of our facilities.”***

**Howard Gumbley - General Manager  
(Albany)**

The Havelock North pool, due to its sloped roof, required Standard Series model 25 and 15 units, to account for the variation in height. At its highest point the ceiling was 4.8 metres and the pool measured 24 metres long by 14 metres wide.

After installation both sites virtually eliminated all condensation. Any signs of damp quickly subsided and surfaces dried much faster. Even the concrete, which had become saturated and discoloured, dried out. Comfort levels vastly improved and within only two days the unpleasant odours were almost non-existent.

In addition to resolving the main problems with condensation, Hilton Brown Pools also achieved significant pool heating energy savings at both their Albany and Havelock North pools, benefitting from Airius' world-leading thermal balancing technology.



***“Air quality dramatically improved. The glass viewing wall was constantly fogged up prior to installation. Within a day there was virtually no condensation on the glass and the concrete area around the pool dries out much faster than it did before the units were installed.***

***The units are simple to install and very economical to run, but above all they deliver results.”***

**Howard Gumbley - General Manager  
(Havelock North)**

# PacPines Pool's - Swimming Pools

**Pacific Pines  
Pool & Spa Services**

"Making your pool a simple pleasure"

Jeff Feltham from 'PacPines Pool and Spa Services' approached Airius to find a solution to the condensation problems inside their clients indoor pools, which were leading to issues with mould, constant dripping, lengthily pool-side dry times, damp and even corrosion.

These installations have proved very successful and further indoor pool customers are now using the Airius system to reduce condensation and improve the amenity of their pool enclosures.



## Key Points:

- **Swimming Pool Enclosure:**
  - 29m x 10m = 290m<sup>2</sup>.
  - 2.5m to 9m to 5m pitched ceiling.
- **Airius solution:**
  - 5 x Model 15's.
  - 3 x Model 45-PS/4's.
- **All condensation problems rectified.**
- **Condensation virtually eliminated.**
- **Comfort effects felt immediately.**
- **Simple, quick & cheap installation.**

Pacific Pines Pool and Spa Services are a pool supplies and maintenance company, servicing a range of domestic, high-end client and corporate swimming pool facilities.

The owner, Jeff Feltham, contacted Airius in an effort to find a solution to the condensation problems that were resulting in a variety of costly and unsightly issues for his indoor pool customers. Airius were able to advise John and supplied a cost effective system to use in a trial installation for one of his customers.

The trial pool enclosure was 29 metres long by 10 metres wide. It had a pitched roof rising from 2.5 metres to 9 metres, which then dropped to 5 metres.

5 x Model 15 Airius Standard Series and 3 x Model 45 PS 4 Standard Series were specified and installed, as directed in the bespoke system design installation guide supplied by Airius.

The almost silent Airius units work by circulating the air around the space offering air movement, which increases the 'dew point' and draws moisture from the surfaces into the air. A simple and inexpensive solution to a typical and costly indoor pool issue.



Just some of PacPines Pool's customers...

## CASE STUDY - SWIMMING POOL



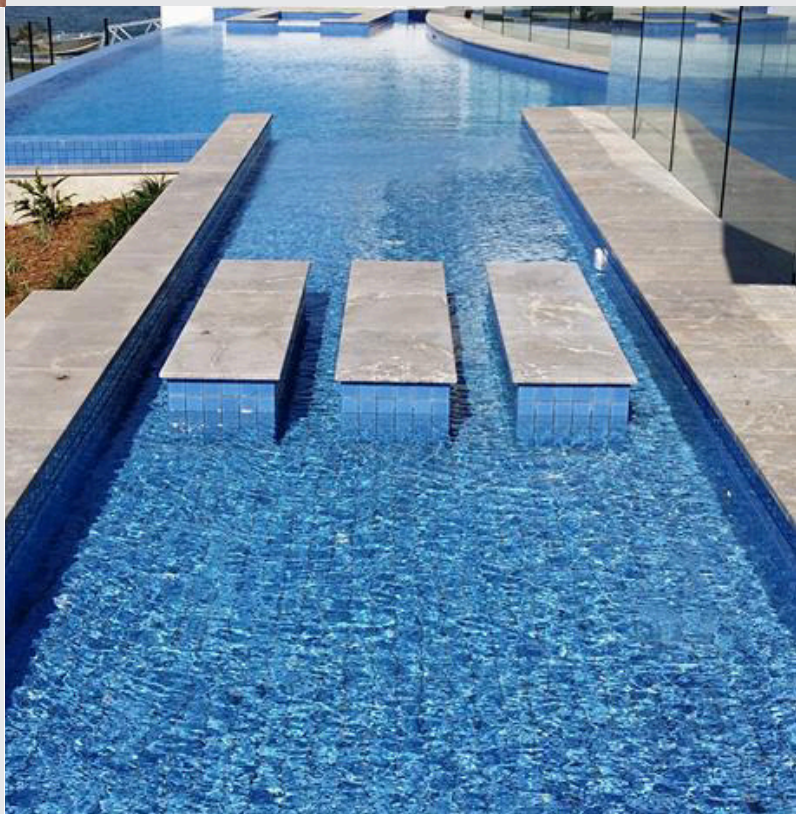
The trial was very successful and any sign of condensation was virtually eliminated. The amenity in the pool was also greatly improved.

This not only provided PacPines Pool's and Spa's customers with the solution they were looking for, but also provided them with all the additional saving and comfort benefits provided by the Airius system.

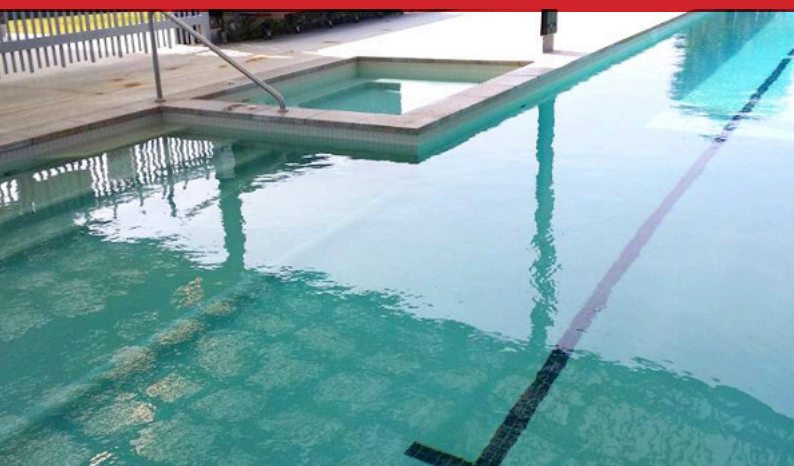
***"The customer said their pool surrounds feel much better.***

***The general air conditions around the pool have improved, and the condensation has improved greatly especially around the front office and counter areas."***

Jeff Feltham - Principal Owner



More of PacPines Pool's customers...



If you would like to find out more about the Airius system and how it could help benefit your facility by optimising airflow, improving comfort and reducing costs then contact us by phone on +44 (0)1202 554200, or by email at [airflow@airius.co.uk](mailto:airflow@airius.co.uk) or alternatively visit our website to access an array of videos, case studies, installation images and much more. **Airius - The world's leading air circulation and destratification system.**

## 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)



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