



SAVE TODAY TO SAVE TOMORROW

BRINGING THE OUTSIDE IN.

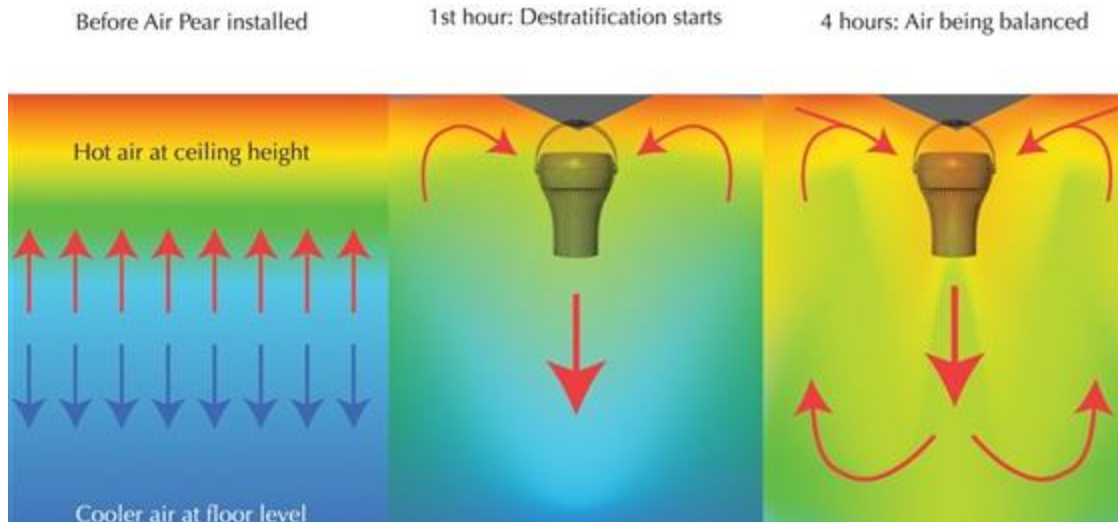
TUESDAY 15 MARCH 2011

The Heat Will Rise But Your Bills Will Fall!

Airius' innovative AIR PEAR technology was recently introduced to the local market by Vento and we received a great deal of interest after they were featured in Vento's February update. Many enquiries centred on how the small, plug and use thermal equalising system was capable of producing energy savings in large factory and retail applications.

The key to these savings can be understood in stratification, or in the case of AIR PEAR – destratification.

Stratification is the difference in air temperature between the floor and ceiling in enclosed structures. Destratification is achieved by efficiently balancing temperatures from floor to ceiling.



A Single 15 Watt AIR PEAR unit can cost as little as AUS \$19 / year to run continuously!

The AIR PEAR units circulate warmer ceiling air towards the floor in a continuous streamlined and direct column. This 'mixing' of air greatly reduces the work-load of heating and cooling systems creating a simple yet particularly effective method of minimising energy use and cutting costs in large open structures such as industrial buildings.

The system is equally effective in supermarket freezer aisles as it channels warm air back into browsing sections while keeping cool air where it needs to be.

AIR PEAR thermal equalisers have been shown to provide:

- Rapid ROI – Average 12-24 months.
- 20%-50% reduction of heating costs
- 20%-40% reduction of cooling costs
- 20%-50% reduction in CO2 emissions
- Improved working environment leading to increased workplace productivity
- Longer dwell times in supermarkets and retail stores
- Reduction in relative humidity.
- Cleans, deodorises and purifies destratified air.

The system can operate alongside HVAC systems but no HVAC ducting is required and with additional details including building size and ceiling heights, Vento can use accurate modelling to assess the likely effectiveness and energy savings in your building.

For an obligation free assessment or to find out more on AIR PEAR contact Vento today on Phone: +61 2 8338 9755 | info@vento.com.au (Australia) OR +64 2174 7938 | markhabel@vento.co.nz (New Zealand)

To find out more about the AIR PEAR supplied by AIRIUS [click here.](#)



Achieve Extreme Lux Levels at Only 150 Watts!

VENTO currently supplies a unique Light Emitting Semiconductor (LES) energy efficient lighting solution. Winning the **ABC Inventor of the Year Award in 2006**, these lights have been specifically designed to suit eyesight, maximising the "see-ability" of the user.

Product benefits include:-

- Operates on a mere 150 Watts, compared to the 400 Watts required to operate metal halide lamps
- LES lamps consume three times less energy whilst providing a similar LUX level to the metal halides
- Reduced electricity consumption of 70%, compared to the use of halide metal lamps
- An unmatched effective spectrum of light for human vision (550 nm eye sight spectrum)!
- Life-time of up to 50,000 hours, compared to metal halides (15,000 hours)
- Approximate ROI of less than 4 years - this will only decrease as electricity prices increase!

With the efficiency of these LES lamps considerably better than all comparable LED lights on the market, the Vento solution to lighting will become the way of the future.

Current applications include **Iplex** warehouses; **Sydney and Alburn Integral Energy** warehouses, depots and car parks, **Fairfield City Council** car parks, **Sharpe Australia** car park and warehouse & the **FIP** train brakes manufacturing warehouse.

The photos below show a comparison between high bay LES lighting (140W, 510mA) and traditional high bay lighting (Metal Halide 400W, 5A) in a Sydney factory installation:



Above is an image of traditional High Bay Lighting and below is a recent LES installation in Sydney in same facility.



WindowMaster Natural Ventilation from Vento provide fire safety solution.

WindowMaster's highly acclaimed Natural Ventilation (NV) system incorporates intelligent window automation that will close automatically in case of fire. This function will assist in satisfying NZBC (New Zealand Building Code) fire safety clauses C1, C2, C3, C4 and natural ventilation clause G4 along with BCA (Building Code Australia) clauses C 3.11 and D1.7 for 'Protection of Openings'.

The NV technology has been reviewed by Australian fire safety consultancy Defire which found the mode of operation would comply with the definition of automatic closing for cases where internal protection of openings is required.

Vento's current WindowMaster projects include:-

- Diocesan School for Girls - Hamilton; Auckland
- Strathalbyn Library & Customer Service Centre - Adelaide; Australia
- 3 residential houses in Sydney, Australia will be installing NV SOLO systems.



Vento To Manufacture Award-Winning Natural Ventilation Unit In-House

With Vento securing the rights to manufacture Monodraught's SOLA-BOOST Windcatcher, the company will now be able to deliver up to 60 percent cost reductions in all applications moving forward.

This milestone agreement with Monodraught will slash delivery times for SOLA-BOOST orders in half, and will allow Vento to pass on significant cost savings for Southern Hemisphere clients.



Meet Vento's Experts On The Ground.

To service our clients across Australasia we have dedicated sustainable climate solution experts in both Australia and New Zealand.

Based from our head office in Sydney is Vento's Senior Design Engineer James Idle while operating from Auckland is Mark Habel, the company's Head Technical Consultant for New Zealand.

James Idle

As a qualified MEng with a Masters in Mechanical Engineering, James gained a wealth of experience across Europe working for Monodraught where he eventually progressed to the role of Senior Design Engineer.

Before relocating to Australia James spent more than two and half years in this role as head engineer at one of the world's most recognisable and respected natural ventilation companies.

In this role James worked at the cutting edge of sustainable design and building solutions for a number of years and has delivered a diverse range of high profile projects that included East Midlands Airport, Basildon Sporting Village and the DMC building at the University of London.

Now based in Sydney, James can provide specialist expertise on the full range of Vento products enabling clients throughout Australia and New Zealand to implement energy efficient and cost saving systems.

For more information on projects James has worked on or to speak with him directly contact Phone: +61 2 8338 9755 – jamesidle@vento.com.au

Mark Habel

As Vento's chief New Zealand technical consultant Mark provides local engineers, designers and architects with ready access to the latest in sustainable climate solutions.

Mark holds a New Zealand Certificate of Engineering (Mech) and has gained a wealth of knowledge working in building services design roles in New Zealand, Australia and the UK. With a Graduate Diploma in Business Studies (Finance) from Auckland University, Mark has spent a number of years in sales and account management at two of New Zealand's largest companies, Contact Energy and Telecom New Zealand.

His background allows Mark to identify key cost saving opportunities that can be achieved through the use more of efficient building systems and design

Mark is passionate about sustainable and green building design and is committed to providing the best outcomes for Vento's New Zealand clients.

For all New Zealand based enquiries, please contact Mark on + 64 2174 7938 or email him at markhabel@vento.co.nz



Vento & Monodraught at Ecobuild.

Vento's Managing Director John Brodie recently attended the international **Ecobuild** conference whereby Monodraught products were showcased to over 41,000 influential visitors in the global design and construction industry.

Held in London's ExCeL exhibition and conference centre, Ecobuild is the world's biggest and most successful event for sustainable design, construction and the built environment. The conference focuses on key issues surrounding sustainability, construction and the built environment, big picture debates on international political co-operation, global economic models, and the psychology of climate change.



Thank you for taking the time to review Vento's latest news. If for any reason you do not wish to receive updates, please feel free to unsubscribe here: [unsubscribe](#).

SHARE THIS EMAIL

PHONE: +61 2 8338 9755 (AUSTRALIA) OR +64 2174 7938 (NEW ZEALAND)

EMAIL: INFO@VENTO.COM.AU (AUSTRALIA) MARKHABEL@VENTO.CO.NZ (NEW ZEALAND)

WEB: WWW.VENTO.COM.AU OR WWW.VENTO.CO.NZ