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BRINGING THE OUTSIDE IN.

THURSDAY 17 FEBRUARY 2011

Welcome to Vento News.

As a valued member of the Vento community I'd like to personally thank you for your support and take this opportunity to inform you of some of Vento's recent achievements and exciting new products! We hope you enjoy this first edition of Vento news and find it informative. We look forward to bringing you further updates with subsequent editions in coming months.

For further details on any topics covered this month or more in-depth information on how Vento can tailor a sustainable climate solution to meet your needs please contact us directly on +61 2 8338 9755 or send us an email at info@vento.com.au



Doors open at 5 Star Green Star Ormiston Road College.

Vento helps deliver New Zealand's first 5 star Green Star school with energy efficient and maintenance-free natural ventilation Windcatchers.

The doors have been opened at Ormiston Road Senior College (ORSC) where the installation of 83 SOLA-BOOST® solar assisted natural ventilation systems, supplied by Vento, have helped ORSC become New Zealand's most energy efficient educational building, setting a benchmark for future education facilities in the southern hemisphere.

Having achieved a 5 Star Green Star rating (one point was awarded for innovation for the use of SOLA-BOOST systems) students are now enjoying a comfortable, productive and healthy learning environment with cooling and an optimal indoor climate maintained by the automated SOLA-BOOST systems.

To find out more about Ormiston Road Senior College [click here](#).

To find out more about Monodraught and Windcatchers [click here](#).



Air Pear - Cut your energy bills by up to 50%!

Vento is proud to introduce one of the world's most cost-effective and efficient thermal and humidity destratification systems that can cut energy bills by up to 50%!

Heat rises, and by efficiently re-circulating trapped warm air from the ceiling back to the

cooler floor in a streamlined and highly controlled manner, Air Pear by Airius is able to provide outstanding cost and energy reductions primarily in retail and commercial factory applications.

As a simple plug and use solution, Air Pear's have been used extensively in international supermarkets and convenience stores delivering outstanding cost savings by reducing the workload on freezer heaters and cold cases. Another benefit of circulating the warmer air which rises and becomes trapped at the ceiling is that a more comfortable environment for customers is created. Complaints about chilly store temperatures around freezer aisles have been reduced and dwell times amongst customers have been shown to increase when Air Pear is in use as freezer doors also stay fog free.

To find out more about how Air Pear from Airius works [click here](#).

“Overall, we are experiencing significant cost-savings while ensuring that the temperature is not only comfortable for employees, but optimised for production. After investing in a set of thermal equalisers, we have saved as much as US\$5,000 in energy savings per year!”

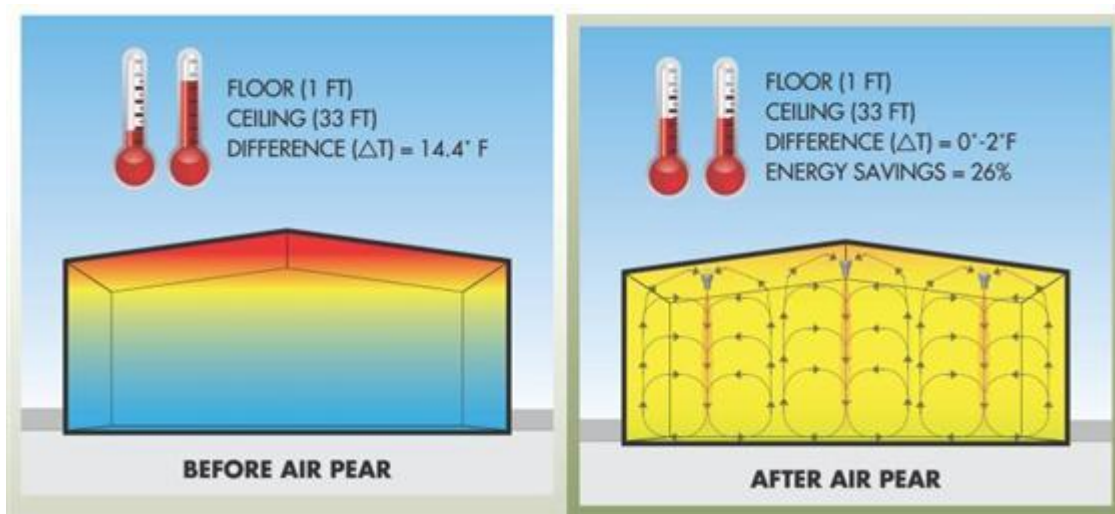
To find out how Mike Collier; Refractories Equipment & Maintenance Supervisor, achieved these outstanding savings with a one-off US\$3,000 Air Pear installation [click here](#).



The heat will rise but your bills will fall.

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

The Air Pear will ensure that you'll have no more than 0° to 3° differentiation from floor to ceiling and wall-to-wall. This is called thermal equalisation, and it works whether you're trying to heat or cool the facility.



Windcatchers creating cool schools across Adelaide.

A major private-public-partnership established to help deliver state-of-the-art primary schools across Adelaide has seen Vento's products and expertise embraced with 36 Windcatchers now installed across five sites.

By embracing the most intelligent natural ventilation on the market, the schools which are currently being delivered will be cooler, more comfortable and highly efficient with ongoing running costs drastically cut by simply replacing mechanical cooling with natural ventilation.

Vento's Senior Design Engineer James Idle states that the night-cooling feature of the units makes the SOLA-BOOST a highly effective product for educational facilities.

“A significant feature of the units includes the night cooling mode which is highly effective for schools which remain unoccupied after school hours, and during the duration of the summer break” he says.

“Once the school is unoccupied, the highly secure night-cooling mode will

commence to rapidly purge the rooms of any hot, stale air, thereby providing a cool and refreshing environment as the platform from which to start the next school day.”

To find out more about the PPP Super Schools Project [click here](#).

To view research from Dr Phuoc Hyunh of UTS (Sydney) on the effectiveness of Monodraught's Windcatchers in the Australian climate [click here](#)



Natural Ventilation the solution to BER (Building the Education Revolution) School Bungle

A recent investigative report from the Daily Telegraph (cover story 'Uncool For School' Jan 21, 2011) has revealed more than 30,000 children in NSW are expected to face sweltering conditions this summer with eight out of 10 new BER-built classrooms lacking airconditioning or effective non-mechanical cooling.

With many of these classrooms in the hottest parts of the state, angry parents say they have seen air conditioned classrooms replaced with sweltering rooms with no cooling.

Engineered natural ventilation presents an opportunity to effectively cool these classrooms while simultaneously improving the learning environment and minimising energy and ongoing running costs of school buildings.

For more information on how natural ventilation could help cool BER schools [click here](#)

Image: John Hartley School in Adelaide is naturally ventilated with SOLA-BOOST Windcatchers.



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