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SAVE TODAY TO SAVE TOMORROW

SUSTAINABLE SOLUTIONS FOR AUSTRALIAN HEALTH AND AGED CARE FACILITIES

WEDNESDAY 18 MAY 2011

Australian aged care facility installs WINDCATCHER® natural ventilation systems.

4 WINDCATCHER systems have been installed in an Australian aged care facility to ventilate the upper floor common areas such as lounge and dining rooms. Designed by Calder Flower Architects, the facility was designed to promote sustainability and innovation in the evolving aged care building industry.



An Optimised Indoor Climate For All 4 Seasons

Calder Flower utilised the WINDCATCHER systems for the following reasons:

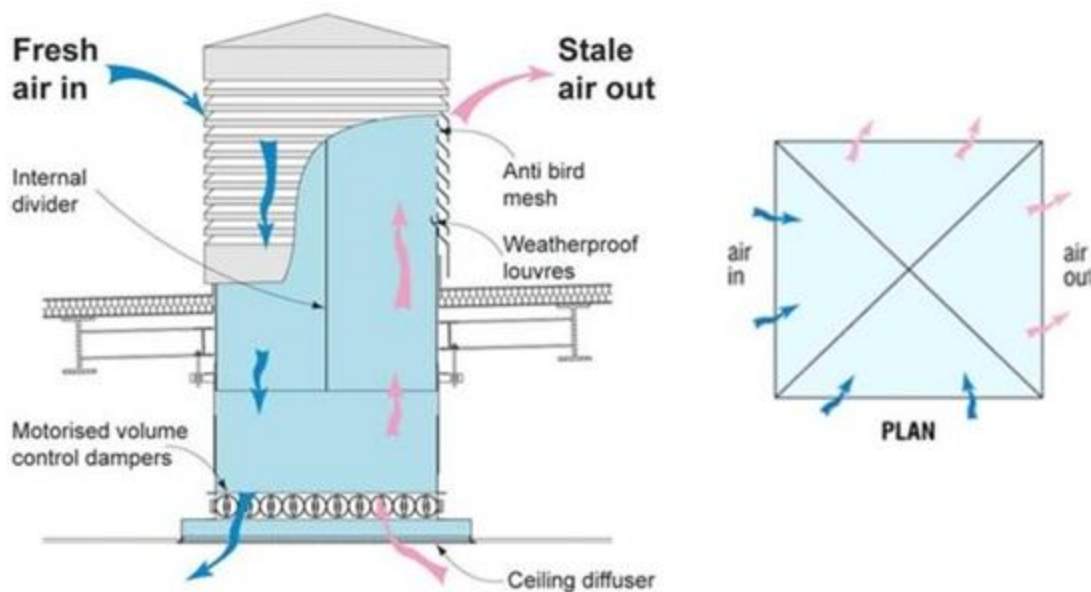
- Occupants will be treated to constantly replenished fresh, healthy air all year round.
- Patented control system enables the WINDCATCHER to run on a 4 season programme,

meaning on the days where it is too hot or too cold, the units will open and close accordingly.

- CO2 sensors ensure CO2 levels are always below 1000ppm.
- Night time cooling function will assist in maintaining the fresh internal environment, even during Summer months.
- Client was offered an energy and maintenance free solution.
- Units operate silently.

The facility is due to open in Spring 2011.

Got a project? Please make a [direct online enquiry](#).



WINDCATCHER - The Passive Approach for Cost Savings & Patient Recovery

A recent World Health Organisation (WHO) publication stated that "Lack of ventilation or low ventilation rates are associated with increased infection rates or outbreaks of airborne diseases."

An attempt to increase ventilation rates in hospitals and aged care facilities often comes with high expenses associated with installing larger capacity ventilation fans and ducts, as well as consuming more electricity. These additional expenses can be avoided with Vento's energy and maintenance free natural ventilation solutions.

- Energy & Maintenance Free.
- Free night-cooling function.
- SOLA-BOOST ® solar-assisted units available.
- Precise control with a 4 season programme and external weather sensor.

To read about the WINDCATCHER [click here](#).

Got a project? Please make a [direct online enquiry](#).



WINDOWMASTER™ - The Complete Solution at Mater Hospital.

WindowMaster, was chosen to provide the window automation system for the Mater Hospital because of its ability to provide a combined natural ventilation and smoke detection solution that could be automatically controlled by a central computer system and touch screen panels.

WindowMaster supplied 54 motors to control 13 zones which included waiting rooms, treatment rooms, reception and patient ward areas.

Features include:

- Carbon dioxide sensor.
- Weather sensor to monitor wind velocity, temperature and rainfall.
- Wind pressure parameters programmed into the computer control system to be analysed with weather station and sensor readings.
- Constant control of facades on a millimetre by millimetre basis to keep the air quality fresh and temperature constant.

To read about WindowMaster [click here](#)

Got a project? Please make a [direct online enquiry](#).



Diamond Dome SUNPIPE® natural daylight systems installed at Anglicare Chesalon Malabar Aged Care Facility

2 Diamond Dome SUNPIPE systems currently provide natural light to a Chesalon Aged Care Facility in Malabar, NSW, Australia. The fire-rated solution successfully brings daylight 12 meters into the building through a complicated configuration, eliminating the need for electrical lighting during the daytime, and providing extensive health benefits to occupants. The 'Fire Choke' collar also provides the building with up to 2 hours smoke and fire protection. [Click here for more](#)

Got a project? Please make a [direct online enquiry](#).



SUNPIPE ® - Natural Daylight in Healthcare

Constant exposure to artificial light, in particular fluorescent tube lighting, is commonly mentioned by nurses as one of the most draining aspects of working on ward. Whilst the use of daylight in hospitals has proven to provide various health, productivity and cost benefits, over the past 50 years the designs of healthcare buildings have not been sympathetic to such evidence.

SUNPIPE natural daylight systems were chosen to replace ageing roof lights to the internal corridors of the **Basildon Hospital**. The original skylights had aged considerably and provided little or no daylight but provided huge amounts of heat loss during winter periods.

Features of the SUNPIPE:

- Protection against fire, dust, condensation, UV and PVD rays
- Minimal solar gain (Solar Heat Gain Co-efficient of 0.2-0.4)
- Self-cleaning design
- Supplied in sizes up to 1500mm diameter.
- Quick and easy installation

Got a project? Please make a [direct online enquiry](#).

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