

*Comfortable climate control,  
naturally*



Solarhomes natural ventilation system at Bluebridge ferry terminal



Section of the 75% glass north face of the Wadestown Solarhome. In summer the ventpac system allows heat to escape naturally through high-level windows. In winter, heat is harvested and stored in the rock bin to raise the background temperature of living spaces



**Natural energy solutions for new and existing buildings**

- Save non-renewable resources by reducing dependency on power to transfer heat and cool your building
- Raise background temperature of living spaces in winter and keep cool in summer with a ventpac system
- Passive and active solar gain combined with sustainable design and smart automation technology for opening windows and activating circulation fans
- It takes 1,000 times less electricity to open windows in summer and run fans to circulate solar warmth in winter; than it takes to run heat pumps, air conditioners and heaters

**We offer:**

- Custom designed solutions for new and existing buildings
- Planning and architectural advice for sustainable design solutions
- Installation by trained installers and electrical contractors
- Warranty for parts
- Ongoing maintenance support if we install

Contact Solarhomes Ltd for an obligation-free consultation

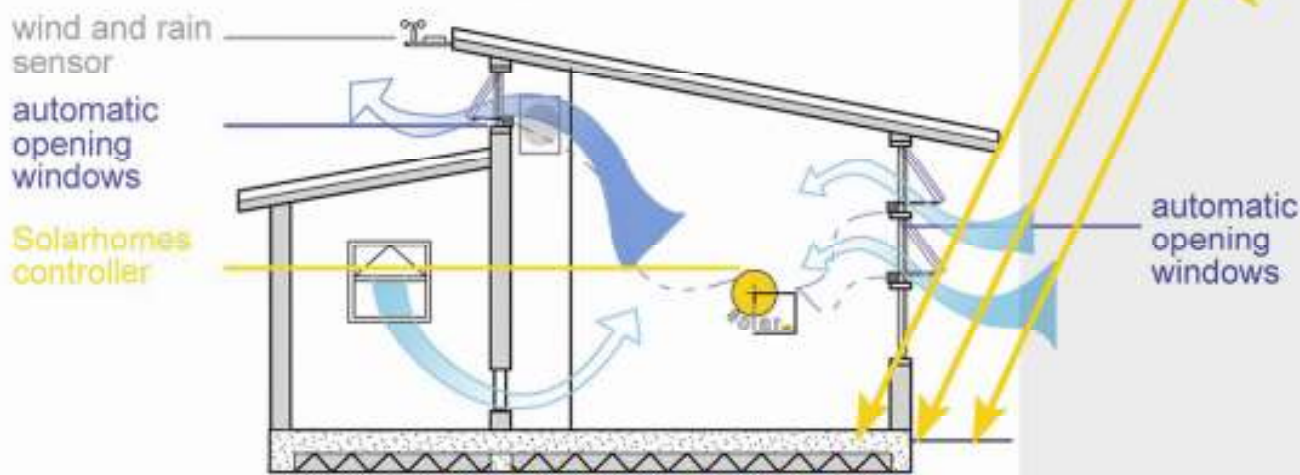
[www.solarhomes.co.nz](http://www.solarhomes.co.nz)  
[info@solarhomes.co.nz](mailto:info@solarhomes.co.nz)  
P +64 977 8764  
f +64 473 5369

\* used in conjunction with appropriate building planning

*Developed by New Zealand architects and engineers for New Zealand conditions*

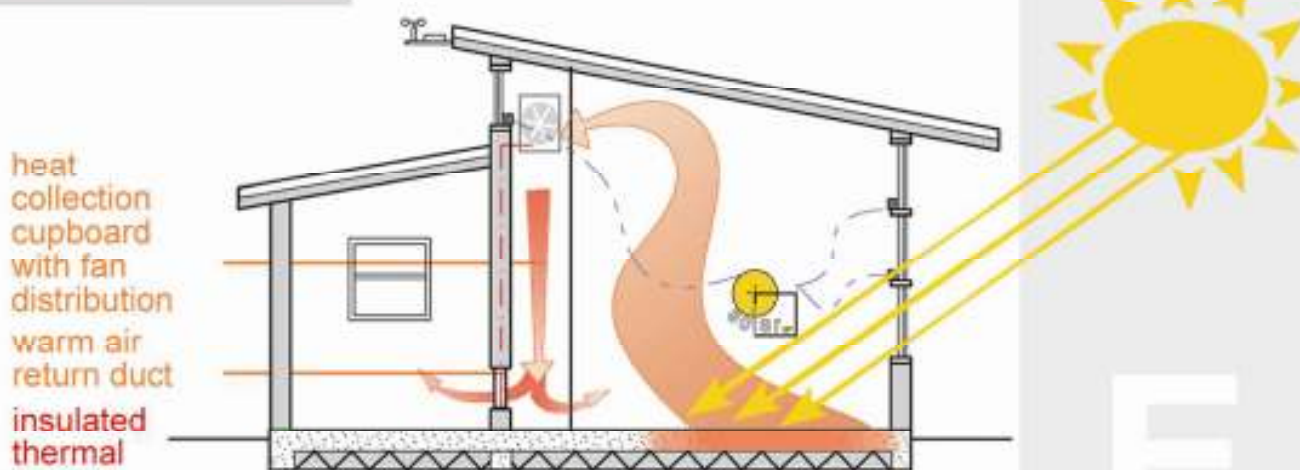
# VENTPAC™

## Natural heating and ventilation system



summer

### TYPICAL OPERATION



winter

### Why choose a Ventpac™ system instead of:

- **Air Conditioners?** Ventpac™ uses natural ventilation, internal and external air movement to cool living spaces, not refrigeration.
- **Heat Pumps?** Ventpac™ lets natural energy in through glazing and out through vents and windows, instead of refrigeration and pumping energy through pipes.
- **Electric Radiators?** The sun, not electricity, is the source of the heat. Use low levels of power to run smart technology and automation, not as the source of heating.
- **Gas Heating?** Ventpac™ allows natural ventilation to dry air, while gas heating as moisture through combustion.
- **Dehumidifier?** Ventpac™ systems and appropriate architectural design automatically allow sun and natural ventilation to dry the air in every room - no need for bulky equipment.
- **Roofspace Ventilation Systems?** Don't draw dusty air out of your attic into living space, and constantly replace air filters. Keep your house warm and dry naturally through glazed living spaces, and manage summer heat release and winter rock bin heat storage.

environmentally

S

sustainable

D

design