

## Installation

- ⇒ **Our Solar Powered Sub/Underfloor Ventilation systems** are flexible, suited for a range of applications and ideal for DIY.
- ⇒ Alternatively you may contact your local dealer to organise a quote.

## Benefits of our Systems

- ⇒ Unlike powered, timer operated systems our systems run when the sun is out and therefore always deliver **fresh and dry air** which is ideal for drying your subfloor.
- ⇒ The **Solar Powered** operation ensures optimum timing and **quiet operation without power consumption**.
- ⇒ Beside protecting the structural integrity of your house - the improved air quality generated by our systems **reduces the risk of asthma symptoms and respiratory problems** and helps **preserve your health**.

150 mm  
12 volt  
Solar  
fans



Mould on ceiling as a result of poor ventilation

## Warranty

**Our products** are designed for durability and backed up by a **two year warranty**.

## Inquiries & orders

### Global Eco & Environmental Solutions

205 Elgar Rd, Surrey Hills, Vic 3127

Ph: 1300 655 118

Email: [ges@ges.com.au](mailto:ges@ges.com.au)

Website: [www.ges.com.au](http://www.ges.com.au)

Or your local dealer:

Disclaimer: Global Eco & Environmental Solutions does not accept any responsibility for events that result from the use of this product or the information provided in this brochure.



**Is moisture in your subfloor causing dampness and condensation throughout the house as well as mould, mustiness and/or rotting floor boards?**



**Make these problems a thing of the past!**

**Our Solar Powered Sub/Underfloor Ventilation system is the solution!**



- ⇒ **Solar powered**
- ⇒ **No running cost**
- ⇒ **Simple installation**
- ⇒ **No electrician required**
- ⇒ **Prevent mould, rotting floor board and stumps**
- ⇒ **Reduce moisture levels throughout the house**

# ≡ The Concept

## Why Sub/Underfloor Ventilation?

Effective ventilation of the underfloor area is essential to the health and longevity of any building with a sub/underfloor area. Constant high moisture levels may cause irreversible damage to the structure of the house - as well as high humidity and poor indoor air quality severely impacting of the health of occupants.

## Damage caused by poor ventilation of sub/underfloor areas

High humidity levels under the house will result in a damp sub/underfloor causing **mould and other fungi, rotting floor boards and stumps, mustiness, odours and musty smells**. Moisture can make its way into the house causing **serious damage to your internal walls and painted surfaces**. In the worst case scenario major damage such as crumbling of the brick walls of your house may occur. Major damage is also likely in the sub/underfloor areas due to the moist conditions creating ideal breeding grounds for **termites, white ants and wood borers**.

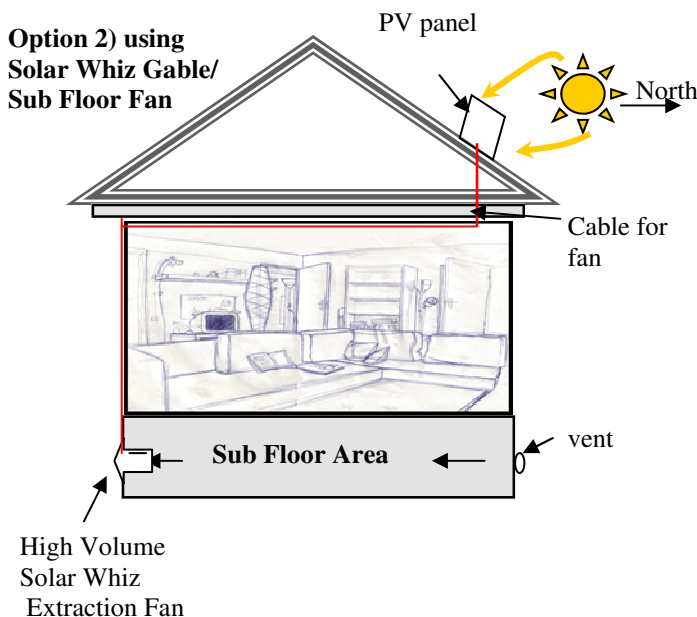
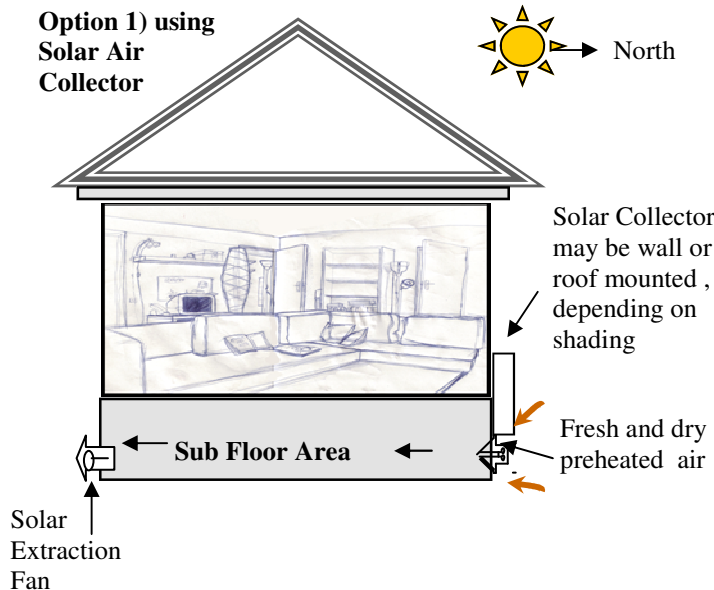
## How can I prevent this?

GES has over the past few years successfully solved many customers severe damp problems with an unique approach that involves using solar air collectors to heat up and deliver fresh dry air into the problem areas (option 1).

Or GES' range of medium and high volume solar powered sub floor fans offers a range of cost effective options for sub floor ventilation in their own right (option 2) or in combination with our collectors.

Our products ensure an optimal cost effective and sustainable ventilation **without any running cost whatsoever**.

## Sub/Underfloor Ventilation Options



## Fan Specifications

Model	SW 1400G	SW 2100G	SW 3000G
Capacity	1400 m³/h	2100 m³/h	3000 m³/h
PV panel Polycrys- talline. High impact resistant panel	10 Watt. Adjustable mounting brackets	20 Watt. Adjustable mounting brackets	25 Watt. Adjustable mounting brackets
Fan Motor	6-14 volt DC brushless motor with double shielded ball bearings		
Fan blade	Balanced 4-wing design, ABS polymeric reinforced fan blade with UV protection designed for high airflow and low noise – 300 mm diameter		
Body	Corrosion resistant steel (superior corrosion resistance suitable for costal installations)		
Coating	Electrostatic UV resistant spray cured in high temperature drying process		
Hardware	Cold sheet steel brackets, stainless steel fasteners		
Fan Dimen- sions	Diameter: 500mm Depth: 180mm	Diameter: 500mm Depth: 180mm	Diameter: 500mm Depth: 180mm
Packing size and weight	530 x 530 x 270 mm 7kg	630 x 630 x 230 mm 8kg	650 x 650 x 230 mm 9kg
Colour	Black powder coating		
Solar Air Collectors	For more information about our Solar Air Modules (SAM) for preheating of replacement air to increase the efficiency of the sub floor ventilation - please refer to our SAM brochure.		
Smaller Fan Options	When less space is available our 150 mm 12 volt solar fans with 300m³/h or 450m³/h capacity may be a handy and effective option.		