



**sellwood**  
roof space access | attic storage | natural lighting

*Introducing the Next Generation of Solar Hot Water*



WORKS ALL DAY  
EVERY DAY



NEXT GENERATION  
SOLAR TECHNOLOGY



SAVE UP TO 85%



ALL SEASONS,  
ALL CONDITIONS



100% RENEWABLE  
ENERGY

***Solar that works at Night!***



# ECO

THE MOST ADVANCED  
SOLAR WATER HEATER  
IN THE WORLD



APPROVED TO  
AS/NZS 2712



The ECO range is perfect for new build housing or those who require a replacement cylinder. It's revolutionary advanced design means it works all the time (even at night!) so all you need is one lightweight solar panel and our ECO Cylinder with its attached compressor and heat exchanger to benefit from savings of up to 85%. We have a range of cylinder sizes to meet all needs.

## HOW IT WORKS

An extremely cold refrigerant liquid passes through the lightweight solar panel gathering free heat from the air surrounding the panel and from the action of the sun, rain and wind. This causes the liquid to boil and become a hot gas which is then compressed, dramatically increasing its temperature. The heat is then transferred to the water by way of a high performance heat exchanger, causing the gas to condense back into a fluid which returns to the aluminium solar panel and the process repeats.

**Solar that works at Night!**



# THE SOLAR BOX

CONVERT YOUR EXISTING CYLINDER TO SOLAR



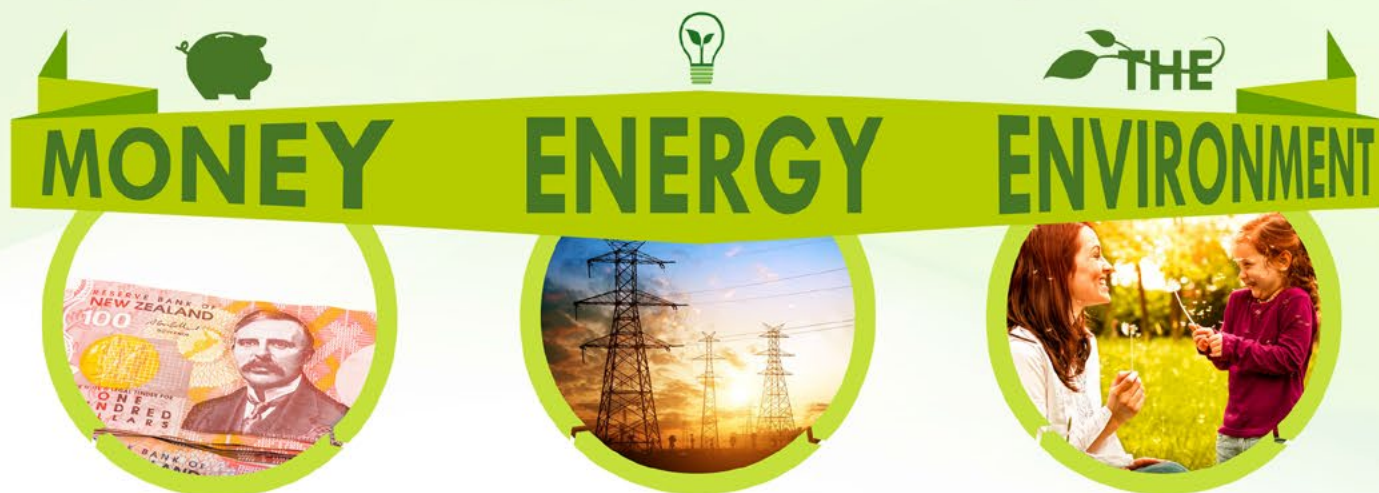
The Solar Box is fitted to your existing cylinder. An incredible update to your existing hot water system producing up to 80% savings.

The very latest renewable technology. All you need is one lightweight solar panel and our Solar Box provides all your hot water, 365 days a year! Environmentally friendly solar that works at night!





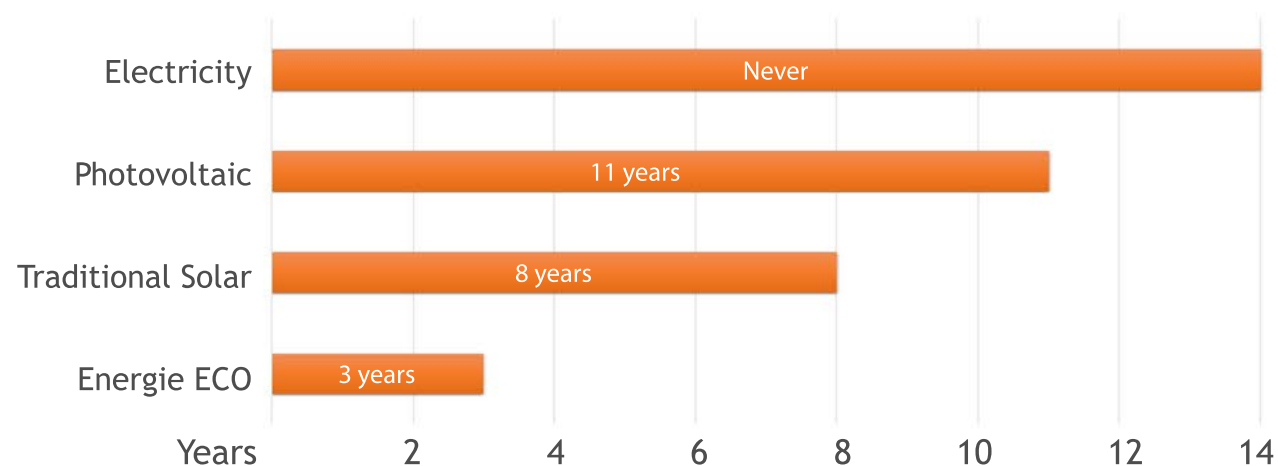
# SAVE SAVE SAVE



Whilst every households electricity use varies the average Kiwi family spends 40% of its household energy heating water (almost half).  
You can save up to 85% of this cost.

## POTENTIAL PAYBACK PERIOD

Hot Water Heating , based on 6 person household.



## HUGE POTENTIAL SAVINGS

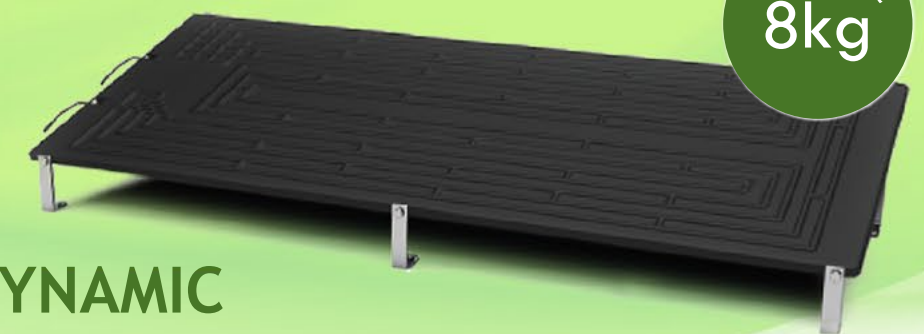
6 person household	\$145,270	over 25 years
4 person household	\$105,095	over 25 years
2 person household	\$64,969	over 25 years

*Simply the Best!*

*There is no other system which can provide you with ALL your hot water at such a small cost to run*

## WHY IS THE THERMODYNAMIC SOLAR HOT WATER SYSTEM SO MUCH BETTER?

This system was developed and patented in Europe by 'Energie' 30 years ago. A proven system it combines the benefits of two different technologies - Solar and Heat Pump - to produce a new product which we believe outperforms anything else on the market.



## SOLAR THERMODYNAMIC PANEL CREATES HEAT OUT OF THIN AIR

## WHY **ENERGIE** THERMODYNAMIC SOLAR HOT WATER IS BETTER THAN:

### Traditional solar hot water systems

- **ENERGIE** supplies all your hot water
- No heavy water on your roof - **Energie** needs just one lightweight aluminium panel
- Does not boil - **Energie** just switches off when water is to temperature
- Works in all weather conditions, not just sunny days - **Energie** works 24-7, 365 days a year, so no need for a back up system
- Does not freeze - **Energie** uses a refrigerant in the panel, not water
- Unlike traditional systems, a Building consent is not normally required for **Energie**
- **Energie** has no glass, rubber or fragile materials
- No Maintenance - **Energie** is fit and forget



### Traditional heat pump systems

- **ENERGIE** does not power big fans or have additional motors
- **Energie** has no noisy outside unit
- **Energie** gains a **BIG** performance advantage from the solar panel being exposed to the elements, especially solar gain!
- **Energie** only has one moving part - less to go wrong
- **Energie** is more efficient
- **Energie** is maintenance free





# COMMERCIAL LARGE VOLUME HOT WATER



If your business or organisation consumes large volumes of hot water an Energie Thermodynamic solar system can help you dramatically reduce running costs.

Whether you operate a motel, restaurant, rest home or gym, an Energie System is easily scalable. Even high volume users such as hospitals and schools can be catered for. Using a site plan to determine panel locations and cylinder positions, we will profile your hot water usage taking into account quantities used at different times of the day and design a custom system to suit your business. You can make massive savings resulting in a very short payback period.

Call today for a free, no obligation system design and quotation.



# FREQUENTLY ASKED QUESTIONS

***How reliable are the  Solar Thermodynamic Hot Water Systems?***

Energie is the world leader in Thermodynamic systems. A European manufacturer Energie has been producing Thermodynamic Hot Water Systems since 1981 and has systems installed in over 40 countries around the world.



***How many solar panels will I need to supply all my hot water for a family of 4?***

Just one light weight panel measuring 200 x 80cm and weighing just 8kg will supply 300 litres of hot water.



***Will I have hot water when there is no sun?***

Yes. The system works on differential temperature - the difference between the very cold refrigerant liquid and the warmer air surrounding the panel. So it even works at night!



***Do the solar panels rust?***

No the solar thermodynamic panel is made of aluminium so corrosion is not an issue.

***Do the solar panels have to face north?***

No they will also work facing east or west.



***Do the solar panels have to go on the roof?***

No they can hang vertically on your wall or balcony or even be mounted on the ground.

***Does the Solar Thermodynamic System require regular maintenance***

No.



***How long does it take to install a Solar Thermodynamic System?***

Normally just one day.





*Call for a free no obligation quote*



**sellwood**  
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3 / 75 Apollo Drive  
Albany, Auckland



**0800 288 427**



**sales@sellwood.co.nz**



**www.sellwood.co.nz/energie**

