



Yves Accard Thermal engineer within the Onebus association

I began my interest in ecology at the time of the first oil crisis (1974)

The topic of the moment was the possible energy shortage and it still remains relevant.

So I became interested in solar energy in buildings, I don't use the expression energy renewable because it is far too vague and often misused and misunderstood.

After some achievements as a self-builder, I became a thermal engineer in building for around thirty years.

After the problem of resources (oil shock) came the problem of discharges (gas pollution carbon dioxide among others), I moved towards solar energy.

This area remains very poorly understood, although it represents around 40% of energy consumption.

worldwide.

For example, only 5% of French people know what a solar house is (bioclimatic, with roof collector, solar water heater, organic construction and insulation materials, recycling of water rain or gray water).

Another example of general ignorance, few people know that sunlight which arrives on earth, represents 20,000 times the total consumption of man-made machines (building, transport, industry).

It has existed for 5 billion years and will continue for a long time.

It is absolutely reliable (not a single micro-cut)

It is completely free and in some cases, you can use it without any investment, in the case of agricultural greenhouses or bioclimatic architectures.

Another example: a tiny number of people know that prototypes of houses have existed since 1992 hydrogen solar systems which are totally solar, autonomous but this is not yet affordable for the general public.

The principle is the same as that of trees, we accumulate hydrogen during summer and we destok it in winter.

The world of hydrogen (green or solar hydrogen) is also booming in the world of transport.

Moreover, the expression "solar energy" has become synonymous for the general public with energy

photovoltaic electricity.

While the electrical energy provided by photovoltaic panels constitutes a part microscopic compared to the solar energy captured and used by the earth.

There is a drift towards all-electric which is worrying.

Photovoltaic panels have a low efficiency 20% for the moment compared to 70% for thermal panels (or for the southern bay windows of bioclimatic architecture).

Between non-information, disinformation, and omerta, the private advantages of certain groups, there are many causes that can keep the public away from moving towards clean energy and for free like direct sunlight.

As Albert Camus said: To name things badly is to add to the misfortunes of the world.

Sincerely

Yves Accard +33 6 67 82 06 46

Onebus Association (Information, advice and voluntary help for solar project leaders)

site [www.onebus.fr](http://www.onebus.fr) [contact@onebus.fr](mailto:contact@onebus.fr)



Fig. 1. The self-sufficient solar house in Freiburg in autumn 1992.



