

Energy in a modern city?

ENERGY

Clean and
renewable
energy?

Where do we get our
energy?



SOLAR ENERGY

Sun applied to eco-friendly energy
sources

First of all every house should have this position according to the sun

North

South

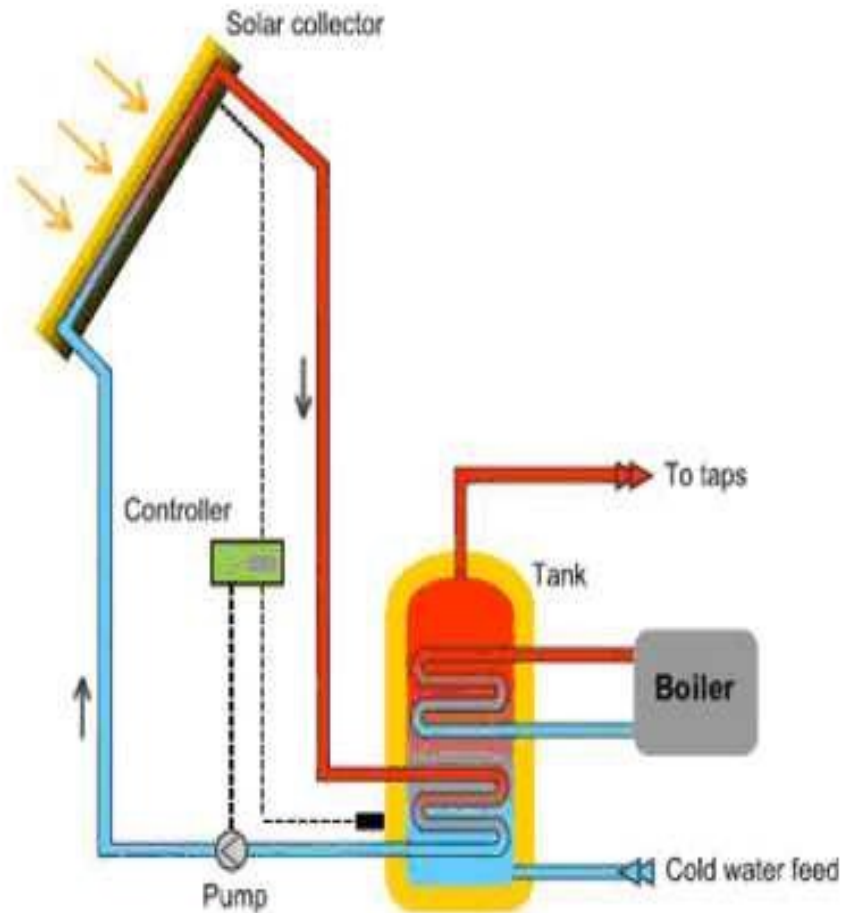




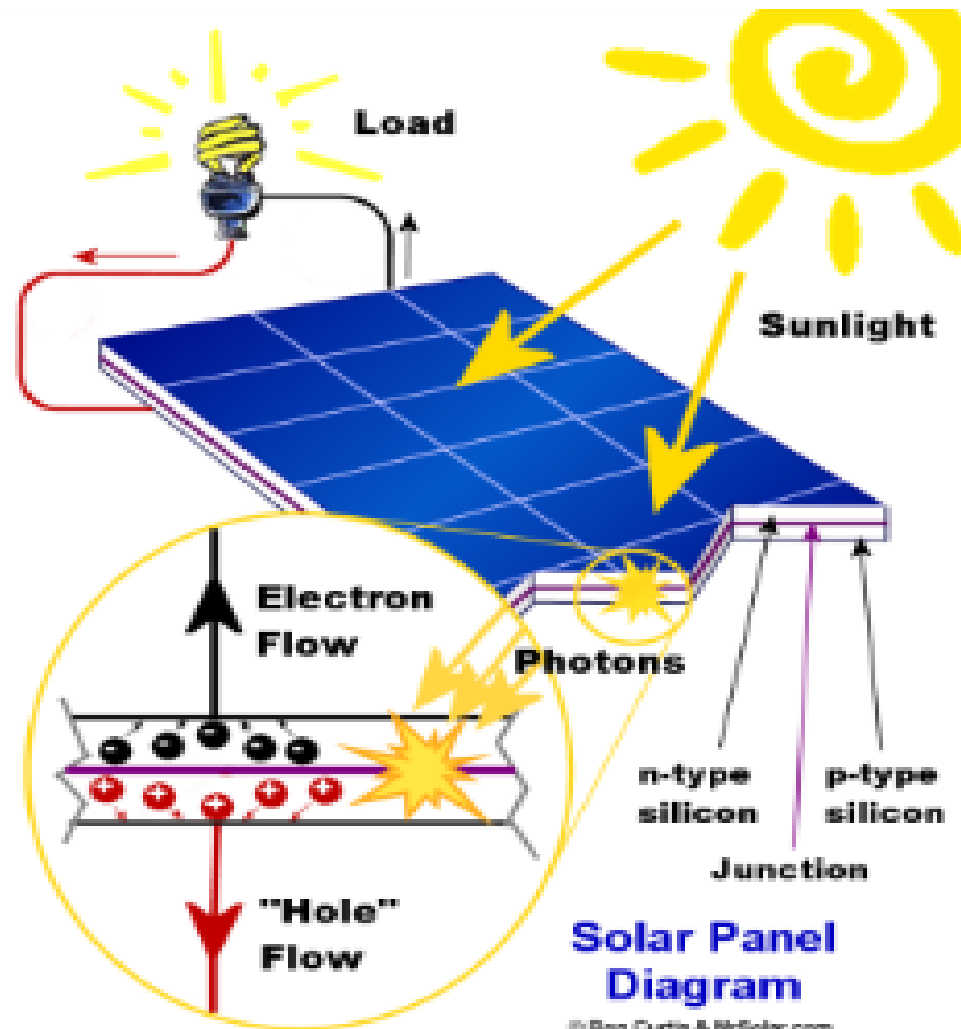
After having given the correct position of the house, every house should have solar and fotovoltaic panels fixed on the roof. This is why every house must have its own energetic economy.

Different types of solar panels

Thermic solar panel

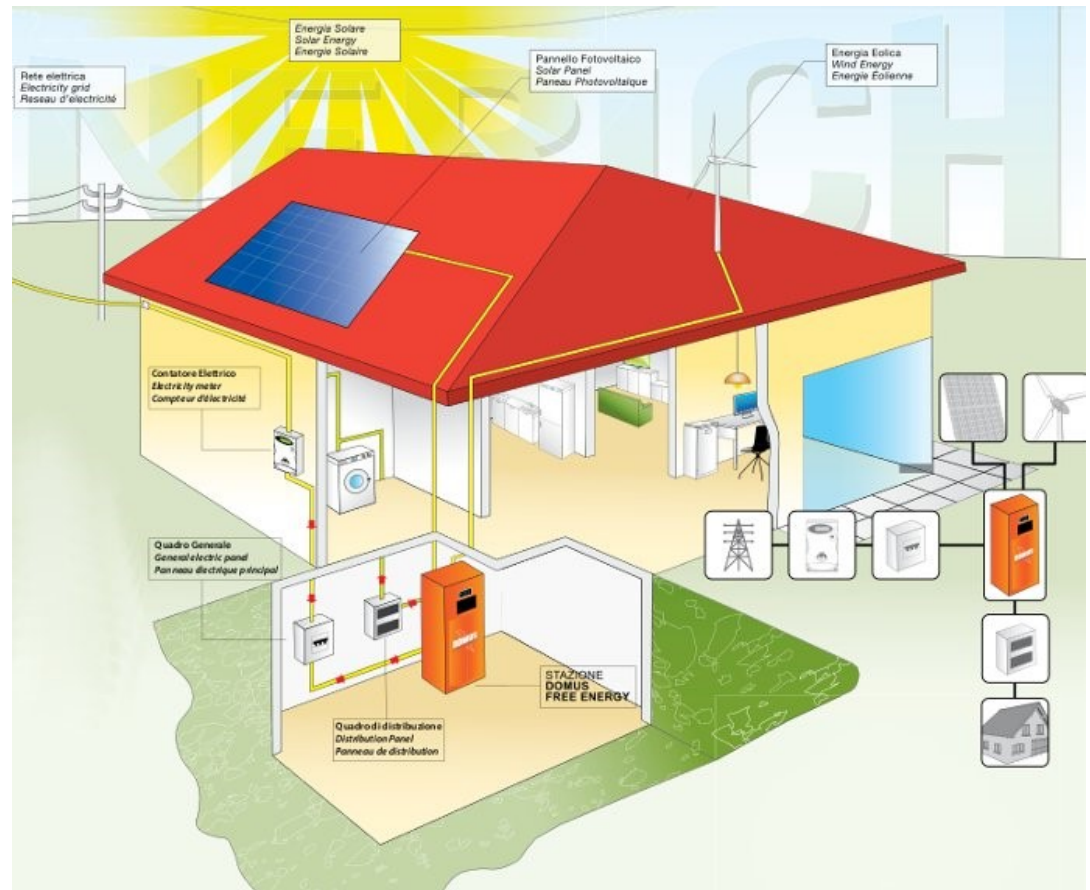


Photovoltaic solar panels



What about winter?

We should install the battery energy storage system. It is self-consumed with an intelligent mechanism that allows to identify whether store the energy in batteries or if you move it to the section of self-consumption. The accumulation system has been designed just to make energetically independent a single dwelling.



Every house should give energy to light up the street lamps in front of them in the street so that every suburb is granted its own autonomy





Problem number 1

Eputation station



Problem number 2

The waste of treated water



conclusion

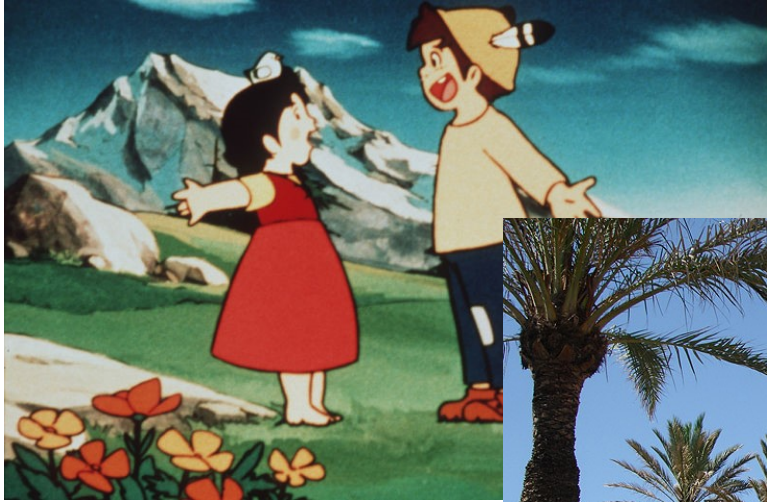
The future city will be more clean and ecologic if all these systems for the water are applied

Windenergy

- Wind turbines are 100 to 250 meters high
- They are clean, produce no greenhouse gas and are renewable 😊

=> problems: no wind, no energy!

What kind of city is it?



In the mountains

on the coast?

Is it a hot place?

If you want to use...

- ... *Solar energy* : the city has to be at a warm place with much sun.
- ... *Water energy*: the city needs a place with water currents.
- ... *Wind energy*: the wind turbines should stand at a city near the coast or near a mountain.
- ... *Gas energy*: the city might be located in agricultural regions.