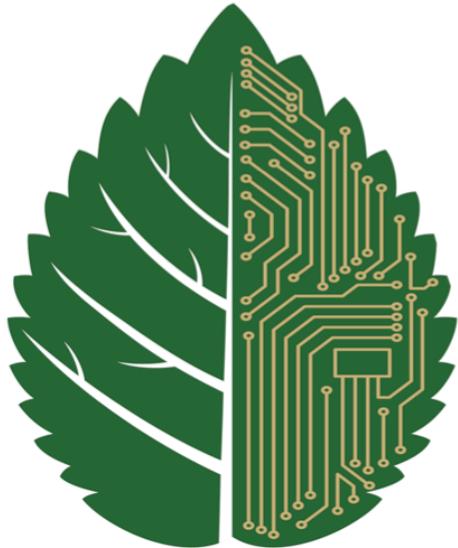


Green technologies in our homes



What is «Green technology»?

Green building encompasses everything from the choice of building materials to where a building is located. **It saves nature to use green technology or energy and it also gives us a cleaner environment.**



House design: a small house - a small problem

- ▶ The smaller the house, the lower the heat loss. This is because they depend on the surface of the partitions through which it penetrates. The smaller the area, the smaller the losses. If we do not want to spend a lot on heating, first of all do not build a large house, just a small house.



SMART METER

- ▶ Among the priorities of consumers on the podium we find that to pay the bills on the basis of actual consumption is very important. But to meet this need it is necessary that the users always know the details of their consumption and whether it is electricity or gas.
- ▶ It is a device that allows to give detailed information on consumption, for example of the various household appliances, allowing the user a control over the actual consumption and also allowing to identify the presence of any leakage.



REUSE COFFEE GROUNDS

- ▶ Coffee grounds are excellent as natural fertilizers because they are rich in nutrients, not to mention the virtues of coffee grounds to make the soil acidic for acid-like plants (ideal as an additive for example for those with roses on the balcony or in the garden).
- ▶ Some research has revealed the possibility of using it for the production of a bio-fuel and the possibility of the removal of heavy metals from contaminated water.



Electric cars

- ▶ There is no burning of gasoline or diesel and the proposal is to reduce the brand's carbon footprint and improve air quality in cities through the production of fully electric and hybrid cars.



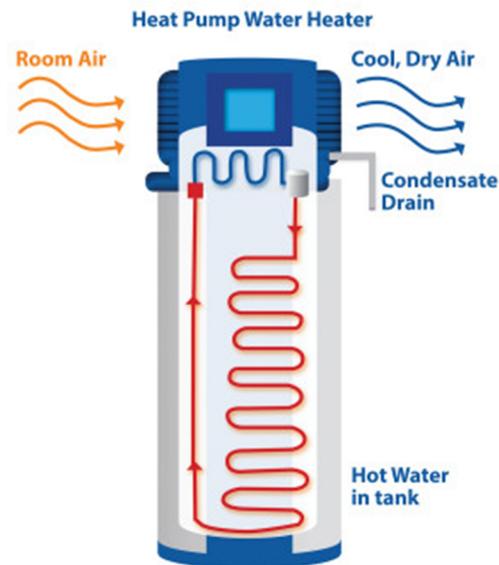
Lifesaving basin

- ▶ Large basin with an aquarium and its fish promotes water saving - the water that comes out of the tap is not the same we have in the aquarium, which contains food and waste from the marine animals and thus is separated by a filter. Thanks to this device the water outlet point of the aquarium is limited so the fish will not die if someone leaves the faucet open for long.



Good ventilation favors the house of warmth

- ▶ The house is not suitable for energy-efficient operation in the area of the simplest gravitational ventilation system. The share of heat losses for ventilation in total losses of an insulated house is up to 50%, so it is worth installing a device for its recovery from exhausted air, i.e. a recuperator, at home.



Solar battery

- Solar batteries are used to keep solar energy. This is very useful and fuel-efficient. Solar batteries work by solar panels.
- When you install a solar battery as part of your solar panel system, you are able to store excess solar electricity at your home instead of sending it back to the grid.



LED lighting

- ▶ The basic advantages of LED lamps, compared with incandescent lamps, are their much longer durability , a wider range of working voltages , greater efficiency, much less heating.

Work done by:

- ▶ Ema Araujo;
- ▶ Lara Sousa;
- ▶ Letícia Franco;
- ▶ Mafalda Almeida;
- ▶ Anastasia Locorotondo;
- ▶ Lukas Friman;
- ▶ Mihael Gunc;
- ▶ Julia Rogala;