



### **Aerothermal energy**

In the same way that geothermal energy uses the heat from the subsoil to generate energy, aerothermal energy uses the calories from the outside air, generating heating and hot water in winter, and refrigeration in summer, at a very low cost.

A heat pump installed on the roof captures the air through a refrigerant gas, and transmits it to the inside of the house. It also works in reverse, extracting heat from the interior in order to generate cold air.

### **Photovoltaic panels**

Photovoltaic solar panels capture energy from solar radiation and convert it into electricity. The system has inverters that convert the energy generated by the panels from direct current to alternating current for use in the home.

The photovoltaic panels ensure considerable savings on electricity bills, while reducing the carbon footprint, all with low maintenance costs.

### **Forced ventilation with heat recovery**

Proper ventilation of dwellings ensures indoor air quality. Forced ventilation with heat recovery improve wellbeing and comfort in the home.

The system recovers the heated indoor air, heating the cold air coming in from outside in winter and cooling the warm air in summer. This results in some significant energy savings, while ensuring that the air entering the home is clean and filtered.

