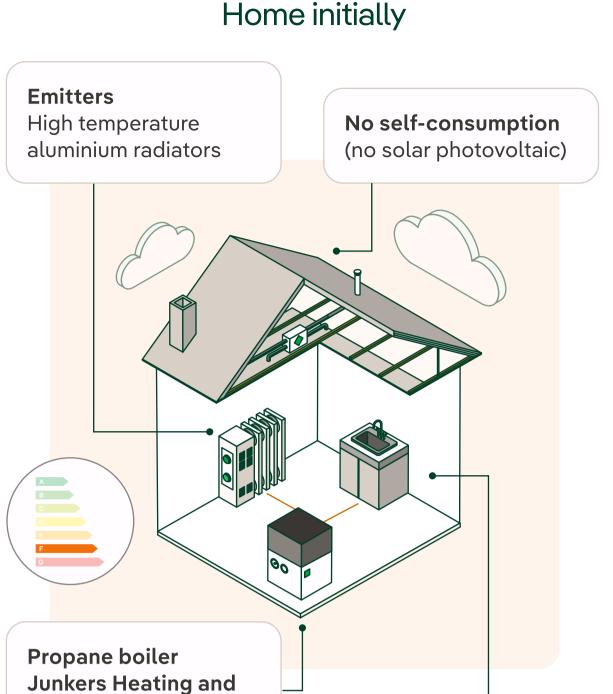
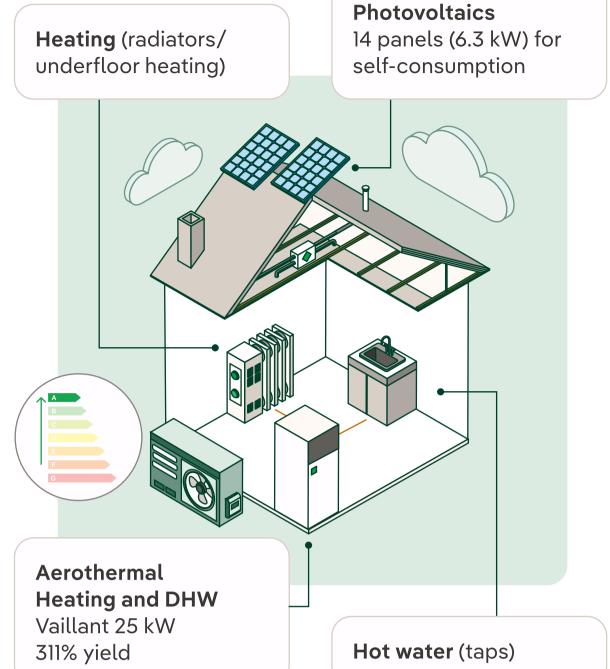
# Case study of home aerothermal energy and solar self-consumption



#### Home now



## Supply and initial consumption

**ELECTRICITY** LPG

21,831 kWh/year 11,080 kWh/year

€2,500 /year €2,534 /año

#### **Total consumption**

**32,911** kWh/year

**DHW** 25 kW

66% yield

€5,034 /year

## Current grid consumption and supply

**ELECTRICITY** LPG

**9,779** kWh/year 0 kWh/year

€0 /year €1,784 /year

#### **Total consumption**

**9,779** kWh/year

€1,784 /year

## Home's stats



Location: Alicante



Hot water (taps)

Climate zone: B



Single-family

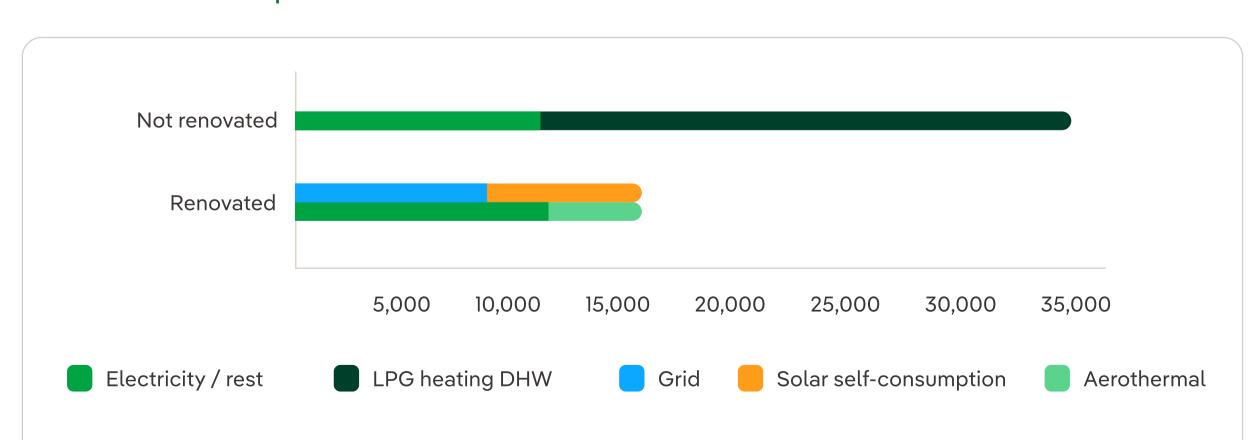


Surface area: 230 m²



Year of construction: 2006

### Total kWh consumption



The house's consumption in its initial condition (without aerothermal energy) came from the electricity and gas grid. With aerothermal energy, this consumption is divided between the grid and solar self-consumption.

 $6,858 \text{ kg CO}_2/\text{year} \rightarrow 2,442 \text{ kg CO}_2/\text{year}$ 



Reduction in emissions

Source: Own information obtained from the analysis of an Iberdrola client. Consumption data obtained from energy bills.