


medano passivhaus

by jorge heras / 2016-07-25 14:18:52 / International / 2881 / EN

New Construction



Primary energy need :

85 kWhpe/m².year

(Calculation method : Other)

ENERGY CONSUMPTION

Economical building *Building*

< 50	A
51 à 90	B
91 à 150	C
151 à 230	D
231 à 330	E
331 à 450	F
> 450	G

Energy-intensive building

Building Type : Isolated or semi-detached house
Construction Year : 2014
Delivery year : 2015
Address 1 - street : medano 38612 SANTA CRUZ DE TENERIFE, Spain
Climate zone : [BSh] Subtropical Dry Semi-arid (Steppe)

Net Floor Area : 210 m² Useful area (es)
Construction/refurbishment cost : 1 200 €
Cost/m² : 5.71 €/m²

Proposed by :



General information

first nzeb in the canary islands built with passivhaus standards. the house reuses water for irrigation. Isolations are made with light lime.

Energy

Energy consumption

CEEB : 0.2625

Primary energy need : 85,00 kWhpe/m².year

Primary energy need for standard building : 400,00 kWhpe/m².year

Calculation method : Other

CEEB : 0.2625

Renewables & systems

Systems

Heating system :

- Heat pump
- Aerotherm Heater

Hot water system :

- Heat pump
- Solar Thermal

Cooling system :

- Reversible heat pump
- VAV Syst. (Variable Air Volume system)

Ventilation system :

- Natural ventilation
- Nocturnal ventilation
- Free-cooling
- Double flow heat exchanger

Environment

Urban environment

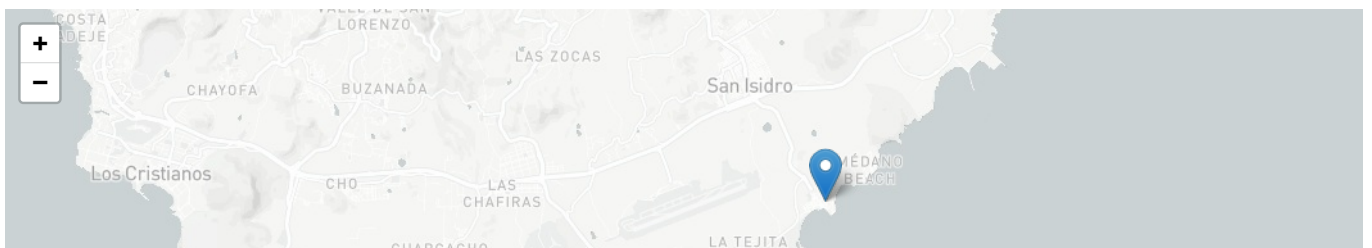
water recycle for garden

Costs

Contest

Reasons for participating in the competition(s)

first passivhaus in the canary islands. Hot weather.





Date Export : 20230405162420