ENERGIE®
THERMODYNAMIC SOLAR ENERGY

Portfolio

McDonald Restaurants Equipped with Energie in Spain

Solar System: 36 x Eco300is

Application: DHW

Number of collectors: 2

Hot Water Cylinder: Stainless Steel

Surface: 3,2 m²

Number of Liters: 500 l/day

After having 3 trial units running for a year period the world famous restaurant chain McDonalds installed 36 Energie solar systems at their restaurants in Spain.

12 Apartments Building at Aveiro - Portugal – IRHU prize winner

Solar System: Eco300i

Application: DHW

Number of collectors: 1

Hot Water Cylinder: Stainless Steel

Surface: 1,6 m²

Number of Liters: 300 l/day

The IHRU award is an annual award for Portuguese architecture since 1989. It has been awarded to developers, architects and builders by the Portuguese Institute of Housing and Urban Renewal. The prize IHRU is one of the most prestigious architectural awards in Portugal and values technologies and materials environmentally friendly that are able reduce energy consumption of the building.

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Nursing and Retirement Home Lar de Santa Teresa

Solar System: 2 x Solar Block 40

Application: DHW-LV + Central Heating

Number of collectors: 80

Hot Water Cylinder: Stainless Steel

Surface: 128 m²

Number of Apartments: 10

Saint Teresa it's a Nursing Home and a Retirement Home at Viana do Castelo – Portugal. The use of two solar blocks 40 making possible the DHW and the central heating of the building.

Hotel Sol Meliá Avenida America in Madrid - Spain.

Solar System: Eco 6000

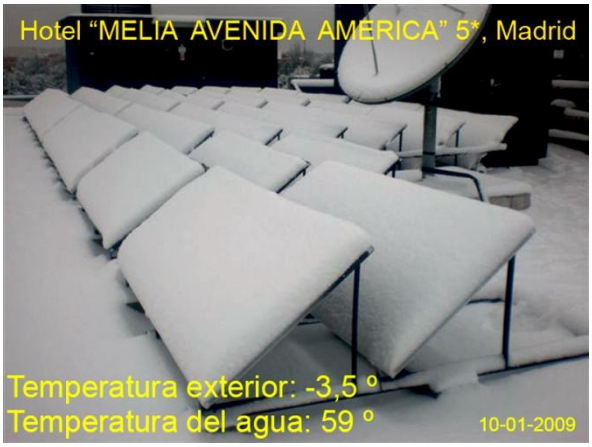
Application: DHW - LV

Number of collectors: 40

Hot Water Cylinder: Stainless Steel

Surface: 19,2 m²

Number of Rooms: 64



Sol Meliá Hotels & Resorts is the largest holiday hotel company in the world with more than 300 hotels in 30 countries. They choose Energie solar systems to supply the hot water, and the performance of the system completed their expectations. Other projects are being study to use Energie systems.

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Single family house - Belgium

Solar System: Eco300i

Application: DHW

Number of collectors: 1

Hot Water Cylinder: Stainless Steel

Surface: 1,6 m²

Number of persons: 5

This family decided to use the thermodynamic solar energy for having their DHW. They choose a very original way for placing the solar panel.

Building at Maia - Portugal - Winner of the SHE prize

Solar System: 11 x Eco3000

Application: DHW

Number of collectors: 132

Hot Water Cylinder: Stainless Steel

Surface: 211,2 m²

Number of Liters: 27,5 m³

The project was recently awarded with the prize for Energy Efficiency, in Public-private category by the Directorate-General for Energy and Transport of the European Commission.

The development consists of 11 blocks with 101 apartments, T2 and T3. Along with the project was considered the use of an energy efficiency system for DHW. The choice made was for Energie thermodynamic solar systems due to its rehabilitee and performance. Each one of the 11 buildings is equipped with an Eco3000 with 12 solar panels and a water heater of 3000lts.

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Small Hotel at Viana do Castelo - Portugal

Solar System: Eco500i

Application: DHW

Number of collectors: 2

Hot Water Cylinder: Stainless Steel

Surface: 3,2 m²

Number of Rooms: 6

This is small hotel in the North of Portugal that decided to use an efficient renewable energy system for the DHW of their guest. They choose a thermodynamic solar energy system Eco500i.

International Marian Centre at Fatima Sanctuary- Portugal

Solar Systems:

3 x Solar Block 40 + 2 x Solar Block 32

Application: Central Heating

Number of collectors: 184

Collectors Area: 294 m²

Surface to Warm: 4800 m²

Number of Liters: 27,5 m³

The Marian centre gives a better response in the pilgrims hosting travelling to Fatima sanctuary. The building also includes an area of convent. The 184 thermodynamic solar panels do the central heating of the building as well as DHW without recourse to any other type of backup system.

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Single Family House in Germany

Solar System: Eco300is

Application: DHW

Number of collectors: 2

Hot Water Cylinder: Stainless Steel

Surface: 1,6 m²

Number of persons: 5

More than 40.000 families in Europe have already chosen the thermodynamic solar energy for their home. In this region where the snow is very common the solar panels where installed on the house façade without compromising the architecture of the building. It carries the advantage of having a larger solar exposure on the winter when the sun is lower on the horizon.

2 Industrial Laundries – Portugal

Solar System: 2 x Eco6000

Application: DHW-LV

Number of collectors: 80

Hot Water Cylinder: Galvanized

Surface: 256 m²

Hot water demand: 18.000 l/day

After the success on the first installation at Conforlimpa - Porto another installation was done at Conforlimpa Lisbon. In each industrial laundry has two Eco6000 supplying up to 18.000 liters of hot water per day.

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Executive Hotel and Suites - Casablanca - Morocco

Solar System: Eco3000

Application: DHW-LV

Number of collectors: 12

Hot Water Cylinder: Stainless Steel

Surface: 19,2 m2

Hot water demand: 5000 l/day

The latest small luxury hotel at Casablanca has chosen the thermodynamic solar system solution for the domestic hot water.

Private House – Central Heating + Swimming Pool

A Solar Block 16 is doing central heating during the winter and Swimming Pool heating during the summer months.

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DHW at the Pyrenees - France

A skier's refuge at 1800m altitude at the Pyrenees. A special model Eco1500 for DHW with 10 solar panels was designed for this specific solution. An excellent architectural integration. The DHW is used for the rooms and restaurant.

DHW – Ireland

A DHW systems installed on a single family house. The integration of the solar panel on the architecture of the house make it almost non-visible.

Hotel Morocco - DHW

An outdoor swimming poll heating system, plus a DHW system installed on one of the best and most luxurious hotels in Marrakech.

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Hospital Portugal - DHW

One of the most recent and advance private hospitals in Portugal choose a Energie thermodynamic solar system to provide all of their DHW and large savings. Was installed 4xEco6000 with AISI316 stainless steel cylinders, with a total of 160 solar panels.

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