ENERGY EFFICIENCY SOLUTIONS
Welcome to the Algarve
Há coisas que não podem parar

There are things that cannot be stopped.
Everything has to be plugged and connected.
Grupo Rolear assures the best solutions to make the most of each facility, each building, each experience.
There are things that cannot be stopped.

Water
Gas
Eletricity
Air Conditioning
Heating
Ventilation
Infrastructures
Construction
Security
Surveillance
Electronics
Lighting
Special
Projects
Special
Installations
Renewable
Energies
11 Shops in Portugal

Electrical, mechanical and electromechanical products and equipment

Technical assistance
Photovoltaic Systems
Solar Thermal Systems

Air Conditioning • Ventilation
Heat Pumps • Water Systems

Technical Lighting • Decorative Lighting
Emergency Lighting • Light Bulbs

Cables • Switchboards • Circuit Breakers
Medium Voltage Transformers • UPSs
Domotics • Automation

Generators
Water Pump Systems
Water Treatment

Video Surveillance • Security Systems
Electrical Equipment • Central Vacuum
TV Reception and Distribution
Projects, installation and maintenance of piped gas networks
ENERGY EFFICIENCY SOLUTIONS

- Electric Energy Production
- Hot Water Production
- Lighting
- Mechanic Actuators
ENERGY EFFICIENCY SOLUTIONS

- Electric Energy Quality
- Heating and Cooling
- Water Quality
- Building Management Systems
THE SUN AS AN INEXHAUSTIBLE RESOURCE

- Electric Energy Production
  - PV SOLAR ENERGY

- Hot Water Production
  - SOLAR THERMAL ENERGY
RADIATION IN EUROPE


< 700  900  1100  1300  1500  1700  1900 > kWm²

0  250  500 km
PV SYSTEMS

Electric Energy Production

PV EFFECT

Converting solar radiation in Electric Power

PV Modules
APPLICATIONS
OFF-GRID SYSTEMS
APPLICATIONS
OFF-GRID SYSTEMS
APPLICATIONS OFF-GRID SYSTEMS
APPLICATIONS ON-GRID SYSTEMS
SELF-CONSUMPTION SCHEME
PV IN PORTUGAL

Oct 2017
13 664 MW
478MW from PV

45.74% of consumption from renewable sources

2020 goal
54.88%
(directive 2009/28/CE)
Client
Adega Cortes de Cima
Vidigueira

Installed Power: 38.5kWp
Modules: 148 x SolarWorld SW260poly
Type: Self-Consumption

Annual Production: 63,800kWh
Annual Saved Costs: 10,000€
ROI: 4.5 years
Client
Hotel Apolo
Vila Real Santo António

Installed Power: 22.36kWp
Modules: 86 x SolarWorld SW260poly
Type: Self-Consumption

Annual Production: 39.700kWh
Annual Saved Costs: 5.500€
ROI: 5 years
Client: Queijaria Guilherme
Location: Vila Nova São Bento - Serpa

Installed Power: 57.2kWp
Modules: 220 x SolarWorld SW260poly
Type: Self-Consumption

Annual Production: 95,300kWh
Annual Saved Costs: 12,000€
ROI: 6 years
Client: Peixe Azul
Olhão

Installed Power: 140kWp
Modules: 500 x Suntech STP280-24/Vb
Type: Miniprodução - FIT (Feed-In-Tariff)

Annual Production: 226,000 kWh
Annual Profit: 40,000€
ROI: 6 years
ENERGY EFFICIENCY SOLUTIONS

Experience and technical know-how allied for a common goal.

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Welcome to
ROLEAR
THANK YOU

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