

# *Invest in Solar Energy*

**RÍOS**  
renovables

*Invest to improve  
the Environment*





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## **IN THE ROOF OF YOUR HOUSE OR IN INDUSTRIAL/COMMERCIAL BUILDINGS**

It can be placed in a residential house for a familiar investment. For investments of enterprise level and depending on the volume of the investment the industrial/commercial buildings they admit a wide range of power in the surface of the buildings.

## **WITH ALL THE GUARANTEES**

We are a company with a lot of experience and a deep knowledge of products and market. From the year a 2004 a huge number of facilities in production back up us.



## **GUARANTEED PROFITABLENESS**

Our knowledge of projects allows us to consider a very good profitableness, with a level of security supported on the amount of facilities made.

## **STABILITY IN THE INCOME**

The solar energy is a very stable power plant in annual periods. Unlike other renewable energies, like the wind, the sun in annual periods is a very constant power source.

## **GUARANTEED MONEY COLLECTION**

The owner becomes provider of the energy company; the solvency of these companies is beyond all doubt. The energy companies are taking every time a greater weight in the economy on world-wide scale.



# FREQUENT QUESTIONS DONE BY OUR CUSTOMERS



## What is the grid-connected photovoltaic energy?

It is called photovoltaic energy to the way to obtain electrical energy through the solar radiation over photovoltaic modules. When this energy is sold to the energy company, it is called "grid-connected", and means our house or industrial building has two independent contracts with the energy company, each one with separated meters. The energy we spent we paid for it (consumption contract), and the energy we produce is injected to the network and the energy company pay us for that reason (contract of producer of energy).

## **Is profitable the investment?**

Yes, of course, it is an activity that is stimulated in all the western countries within the fight against the climatic change. The profitability is in order of 10%. Enterprise investments show us a term of amortization of 10 years. The banks know this kind of investment and give adapted credits to the type of investment.

## **It damages my roof?**

No, if the facility is well done. The impact in the residential tile roof is minimum because the disposition of panels is generally flat with respect to the water plane (unlike the thermal panels which very is exposed). In industrial roofs there are different systems to install the panels which give reliability and good resistance to the wind.

## **What costs of maintenance have the installation?**

The maintenance costs are very low and are between 3 to 5% of the predicted production.



## What time life has the installation?

25 years is what the manufacturers of the panels guarantee, but it could be higher.

## What characteristics must have a roof?

Residential roof have to be in well oriented sunny slope to the south, necessary to have about 30 square meters more or less. It is not possible to have higher buildings in the south side, due they would shade us. If there are chimneys they must be in a side of the cover. It is not possible to have objects making shades, like antennas, posts, etc...

In industrial roof, the best cover is with slightly slope, made of iron sheet. If there is very low inclination is possible to be use two waters sides, if slope is appreciable we can only use a single water side. The indications of direction and shades given for residential serve here also.



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### **What guarantees have the installation?**

RÍOS Renovables offer a guarantee of 2 whole years since the installation is finished. The inverters have 5 years and the panels 25 years guarantee, these last guarantees are given by the respective manufacturers.

### **Receipt some subvention or fiscal deduction?**

Take advice in the energy office of your country/region, because the conditions can change depending on the country/region.

### **What proceedings I must do ?**

All the proceedings and managements of legalization are made by RÍOS renovables in name of the owner.

### **Does photovoltaic energy damage the environment?**

No, at all. We are generating electricity without producing CO<sub>2</sub>, which means that we are saving emissions in favour of the environment.

### **How I can assure the installation?**

The best thing to assure a residential roof is to make an extension of the insurance of the house. In industrial building it is better to contract a specific insurance for the photovoltaic facility.

### **How long takes the installations?**

A residential roof in 2 weeks, one industrial roof over 18 kWp in one month. It also depends on the facility of access to the roof.

# **RÍOS** **renovables**

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