

# ECONOMY

## BUSINESS AREA 7



Energy



**Spain is one of the European countries with the most hours of sunshine, making it a prime producer of solar energy.**

On a global scale, Spain is the world's fifth biggest producer of wind power, increasing penetration levels 20% and remaining a leader in the generation of thermoelectric solar energy. At a worldwide level, the country is one of the most advanced in the development of solar energy and the fourth largest manufacturer of solar power technology. Spain added a record 2.6 GW of solar power in 2008, increasing capacity to 3.5 GW. Total solar installed capacity in Spain was 7.14 GW by the end of 2016.<sup>1</sup>

Spain in general, Murcia specifically, have optimal conditions for the development of all self-consumption methods. Considering the high price of energy generation in some geographical areas, this is a very interesting option in terms of cost. The main feature of the renewable energy sector in Murcia is its diversification.

**67%** of primary power sources generate biomass residues which can be treated and used for various forms of energy storage. Murcia, compared to other Spanish regions, focuses on the use of geothermal energy, which accounts for **4.14%** of all thermal production.

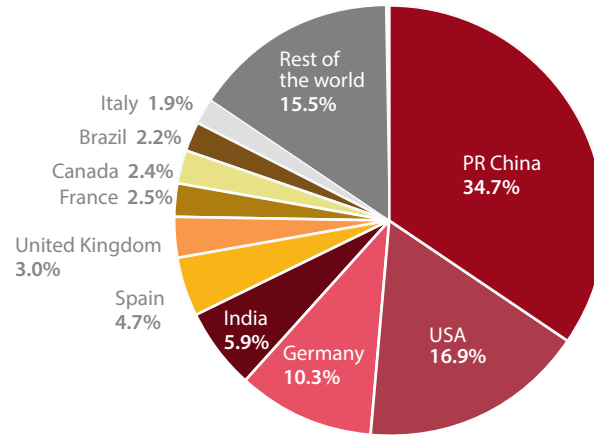
As for photovoltaic, Spain is the 4<sup>th</sup> worldwide producer, with Murcia being the 1<sup>st</sup> region in number of photovoltaic installations per km<sup>2</sup> at 33 kW/km<sup>2</sup> (8.26 kW/km<sup>2</sup> in the rest of the country)

As a result of a changing business scenario, nearly 3,500 MW of fully developed solar projects were put to a halt a few years ago. **Now those projects are waiting to be launched back on the map!**

1. Source: Worldenergy.org

20 €

Top 10 Cumulative Capacity (Dec. 2016)  
(Source: GWEC)

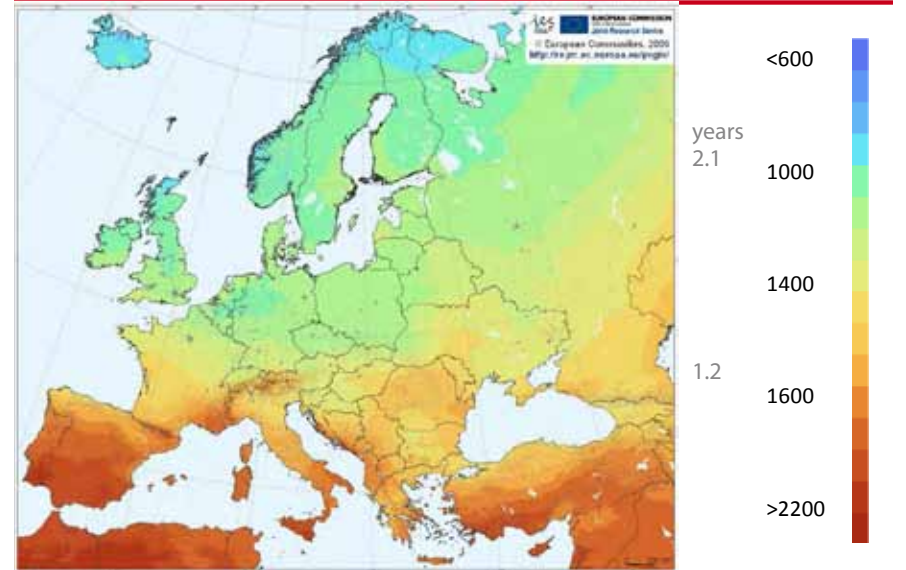


10,000,000 homes in Spain are powered by wind energy

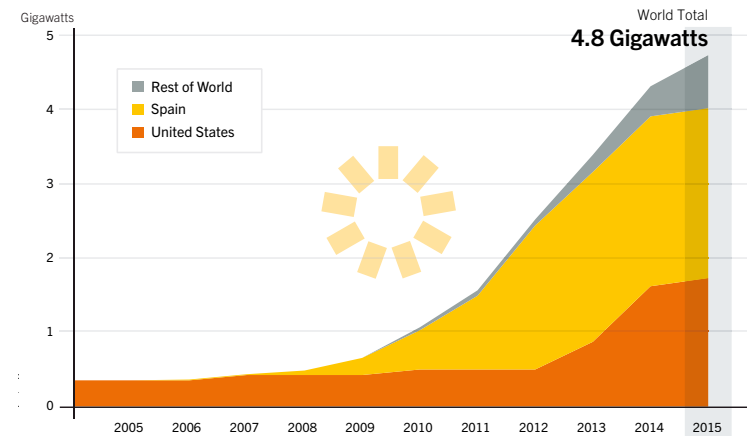
Source: GWEC (2018)

Country	MW
PR China	168,732
USA	82,184
Germany	50,018
India	28,700
<b>Spain</b>	<b>23,074</b>
United Kingdom	14,543
France	12,066
Canada	11,900
Brazil	10,740
Italy	9,257
Rest of the world	75,576
<b>TOTAL TOP 10</b>	<b>411,214</b>
<b>World Total</b>	<b>486,790</b>

Energy Generation "Payback" (Roof Installation)



Concentrating Solar Thermal Power Global Capacity, by Country or Region (2005-2015)



COMPANY HIGHLIGHTS:

Contributing companies:

**Repsol,**  
**Iberdrola,**  
**Redexis Gas,**  
**X-Elio,**  
**Andaltia,**  
**Soltec y Engie**

In terms of concentrating solar thermal energy generation, Spain is the 1st worldwide producer, with Murcia being a key contributor.