

# POWEREN

Green Energy for Corporations:  
Renewable self-consumption



# JOIN THE CHANGE

## CONVERT TOMORROW'S ENERGY INTO TODAY'S REALITY

**POWEN** was launched with a clear mission, to bring tomorrow's energy to the present day, via solar energy, batteries and electric mobility.

## CONTROL ENERGY CONSUMPTION WITH SUSTAINABLE SOLUTIONS

**POWEN** exists to meet the demands of customers, users and consumers, to help control their energy consumption through sustainable means whilst respecting the earth's environment.

## 3 PRINCIPLES/PILLARS: SAVINGS, THE CONTROL OF ENERGY CONSUMPTION, THE ENVIRONMENT

Our company promotes smart energy based on 3 main principles: Economic savings, Control of energy consumption, and the respect for the Environment.

## MORE THAN 10 YEARS OF EXPERIENCE

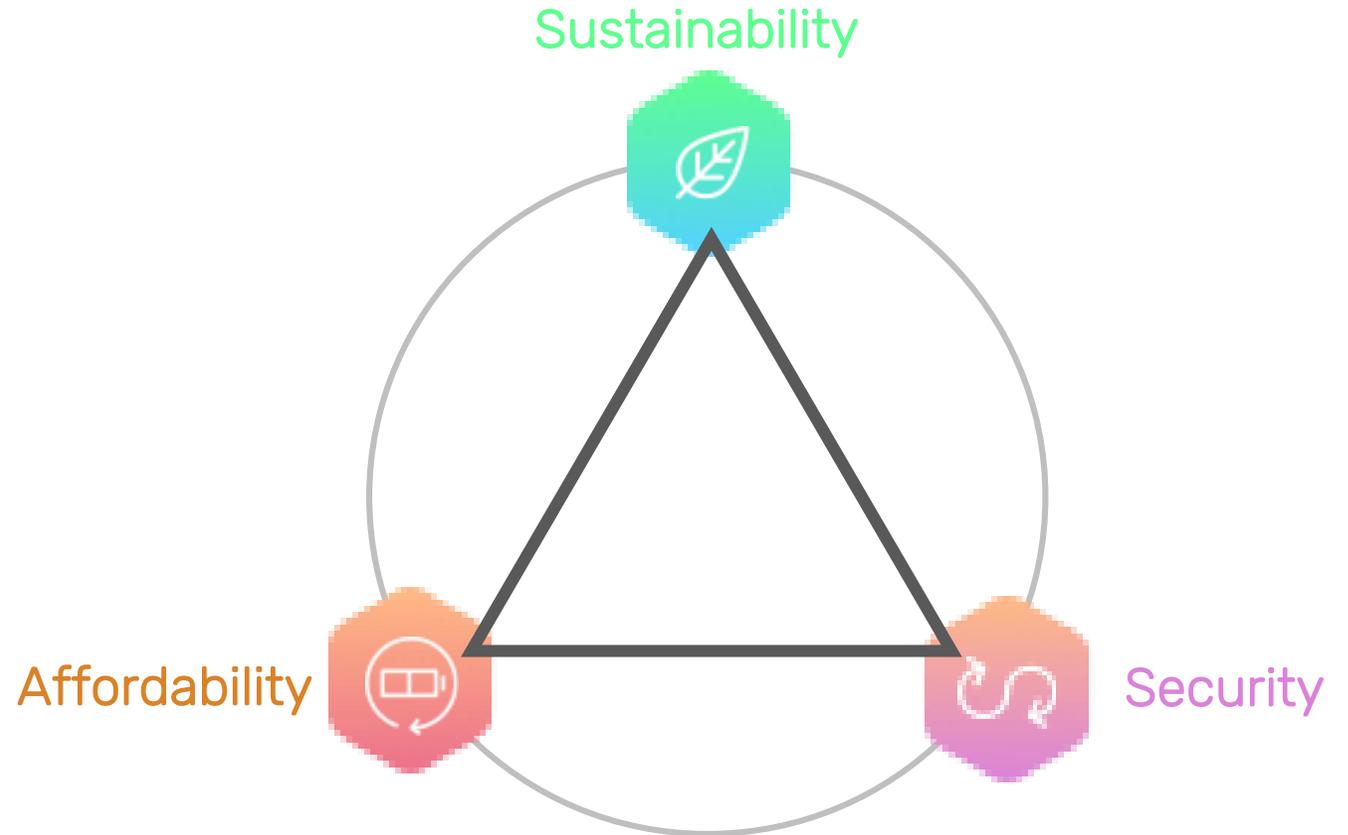
In **POWEN** we have the backing and support of our board of shareholders who bring a proven history of experience and solvency that allows us to continually search for the best solution founded on a quality guarantee.

We currently have a presence in **Mexico, Spain** and **Portugal**.



# WHY POWEN?

The World Energy Council's definition of **energy sustainability** is based on three core dimensions: **Energy Security**, **Energy Equity (accessibility and affordability)**, and **Environmental Sustainability** of Energy Systems. Balancing these three goals constitutes a 'Trilemma' and balanced systems enable prosperity and competitiveness of individual countries and therefore companies:





# POWEREN ECOSYSTEM

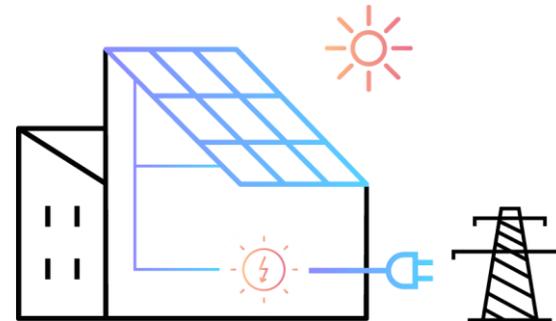
## Photovoltaic self-consumption:

It is a self-consumption system that allows consumers to produce their own energy through photovoltaic panels.

Rooftop solar is the most direct, affordable and tangible way to achieve the three goals of the Energy Trilemma for corporations

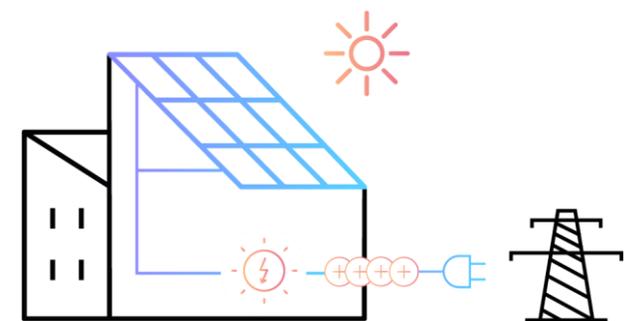


There are only two recognized methods of self-consumption:



**WITHOUT** power surplus:

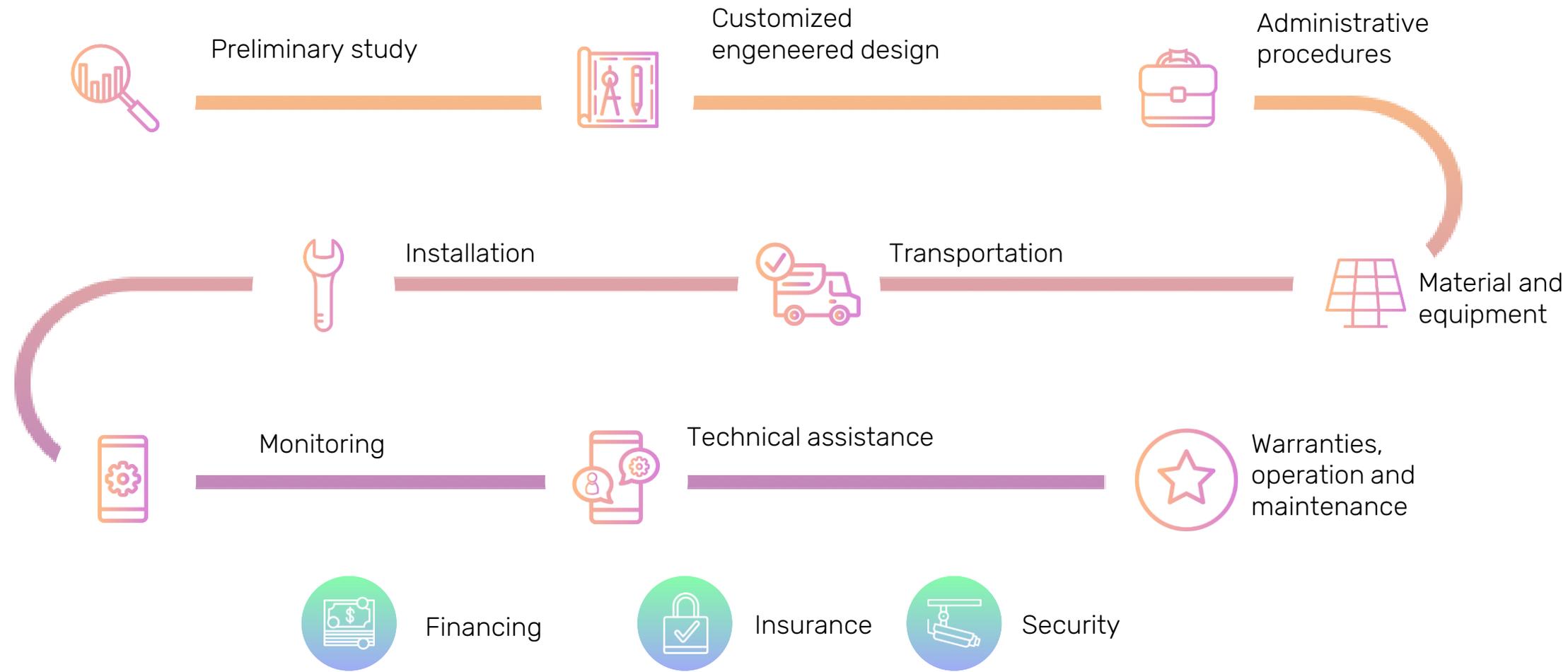
The user consumes the energy produced without returning the surplus to the electricity network.



**WITH** power surplus:

The user becomes a "prosumer" (producer-consumer), returning (selling) the surplus of energy produced to the network.

# WHY POWEREN?



# WHY POWEN?



## Sustainability

No need GOs. Energy is produced with **renewable technology** and consumed directly. **No losses** from transportation or use of the grid.



## Affordability

- Investments with **paybacks** from **3 to 8 years**
- **Physical Power Purchase Agreement (Physical PPA)** with zero upfront investment and savings from 20% to 40% on daylight energy prices.



## Security

Solar photovoltaic is a well known and **mature technology** very reliable



# SUCCESS STORIES



## COMUNIDAD DE REGANTES DEL VALLE INFERIOR DEL GUADALQUIVIR



Solar PV plant



Seville

**Peak power** 6MWp

**Size** 15ha

**Module** 17880

**Annual Production** 12.105.867 kWh/year

**CO<sup>2</sup> emissions avoided** 4.700 Tn CO<sup>2</sup>/year

**Also** Integration of the photovoltaic monitoring system, the Security system and Closed Television Circuit within the optical fiber current system

System made to measure according to the needs of the plant. Maximizing savings and return on investment period.



# SUCCESS STORIES

 **ESTUDIANTES SCHOOL**  
 Commercial PV  
 Madrid. Spain

<b>Peak power</b>	137,5 kWp
<b>Annual production</b>	211,912kWh/year
<b>PV utilization</b>	92,5%
<b>Annual savings</b>	20%
<b>Payback</b>	8 years
<b>Savings 1 YEAR</b>	16.770 €
<b>Savings 25 YEARS</b>	591.335 €

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System made to measure according to the needs of the school. Maximizing savings and return on investment period.





# SUCCESS STORIES



## ESTRELLA LEVANTE FACTORY



Industrial PV



Murcia. Spain

<b>Peak power</b>	500 kWp
<b>Annual production</b>	749.800 kWh/year
<b>PV utilization</b>	100%
<b>Annual savings</b>	16%

<b>Savings 1 YEAR</b>	52.486 €
<b>Savings 25 YEARS</b>	1.246,542 €

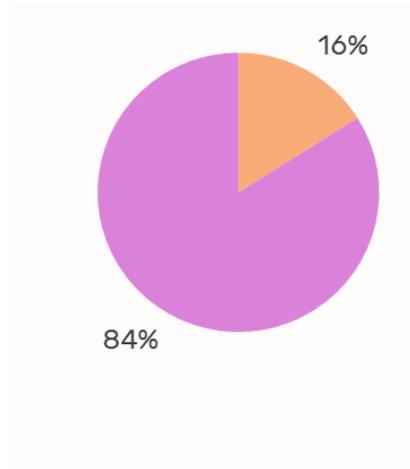
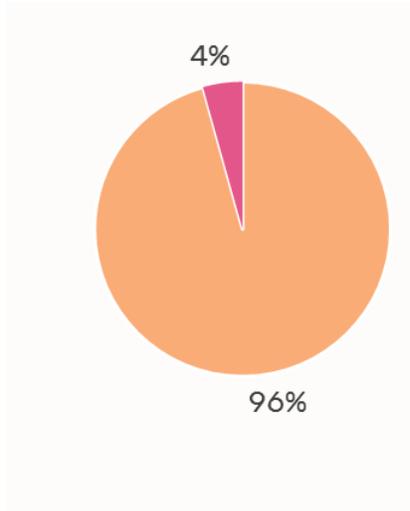
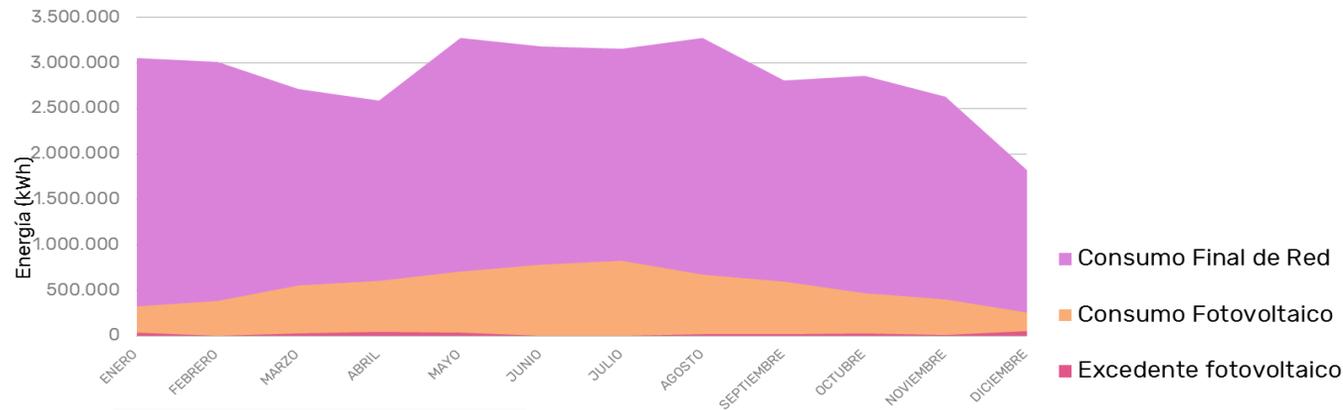
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System made to measure according to the needs of the industry. Maximizing savings and return on investment period.

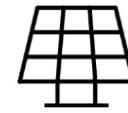


# SUCCESS STORIES

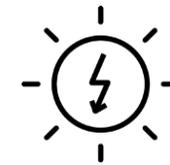
Annual energy consumption:



Power installed:  
**4,100.4 kWp**



Number of panels:  
**12,240**



Surface necessary:  
**30,000 m<sup>2</sup>**

Estimated total savings from the first year:

**423,350€**

THANK YOU!

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It all starts with the sun