



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

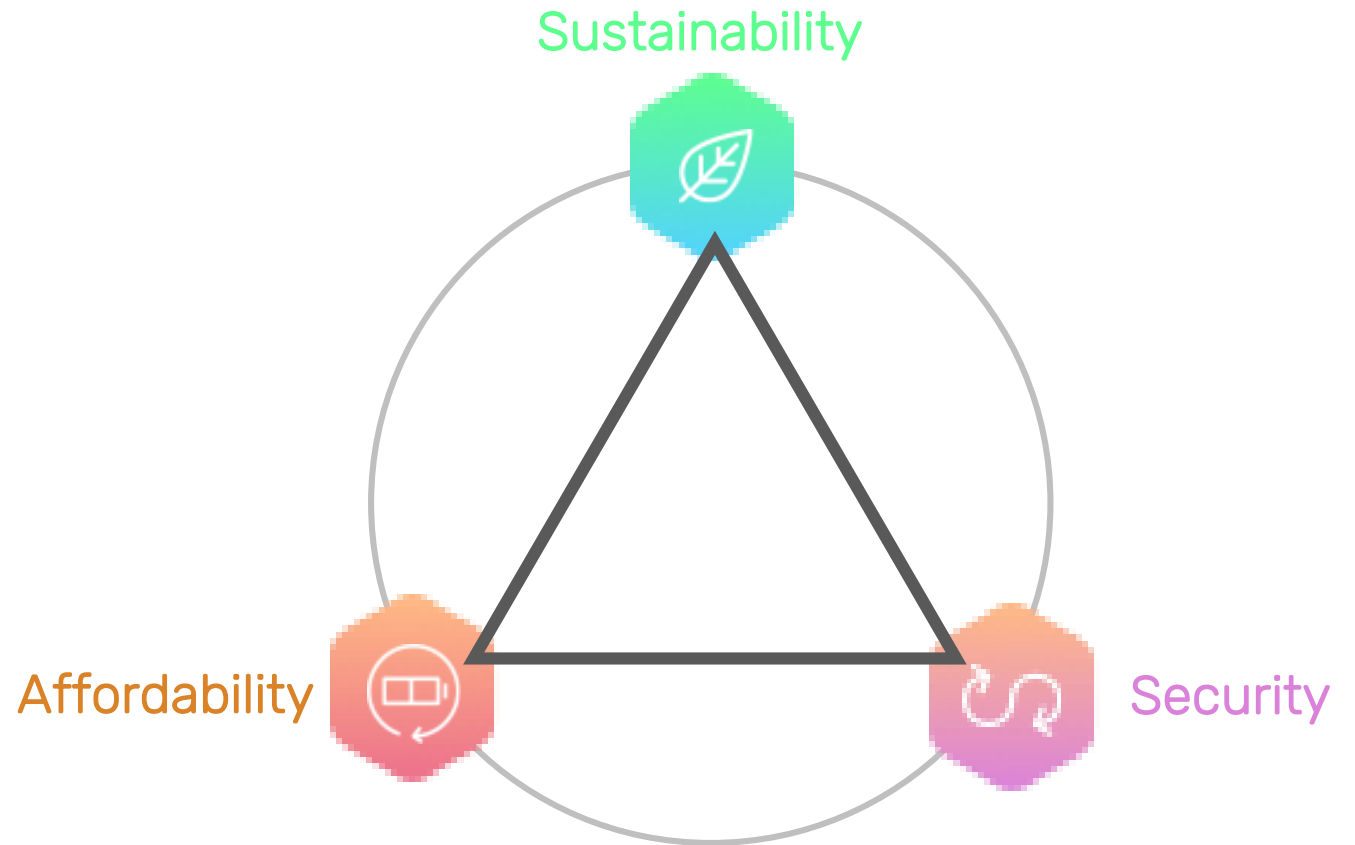
In **POWEN** we have the backing and support of our board of shareholders who bring a proven history of experience and solvency that allows us to continually search for the best solution founded on a quality guarantee.

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:





POWER ECOSYSTEM

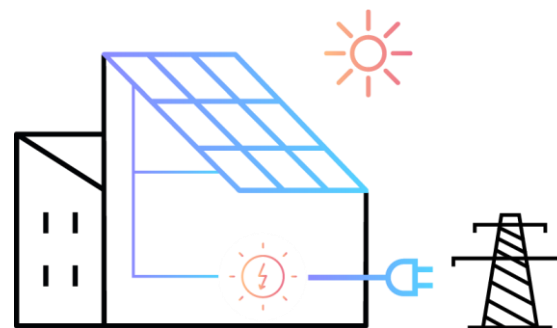
Photovoltaic self-consumption:

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

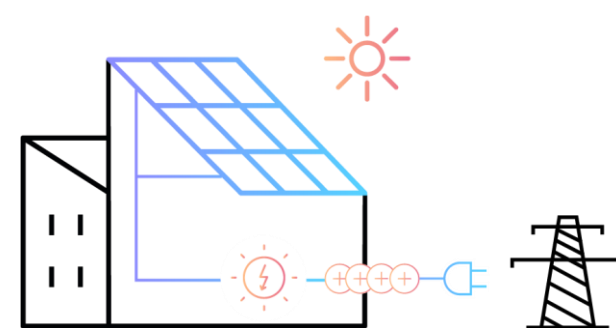


There are only two recognized methods of self-consumption:



WITHOUT power surplus:

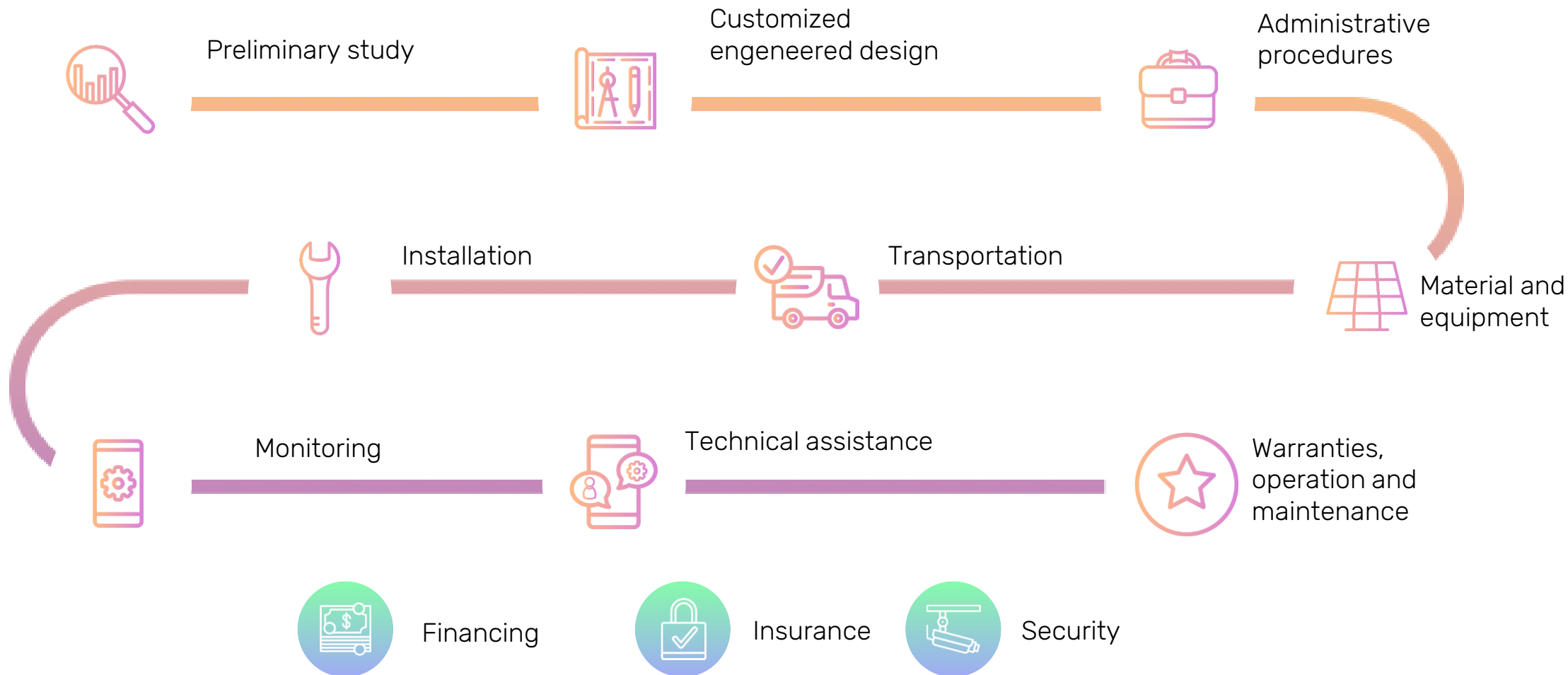
The user consumes the energy produced without returning the surplus to the electricity network.



WITH power surplus:

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

WHY POWER?



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
CO² emissions avoided	4.700 Tn CO ² /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

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



[Watch Video](#)

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

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

Savings 1 YEAR	52.486 €
Savings 25 YEARS	1.246,542 €

 [Watch Video](#)

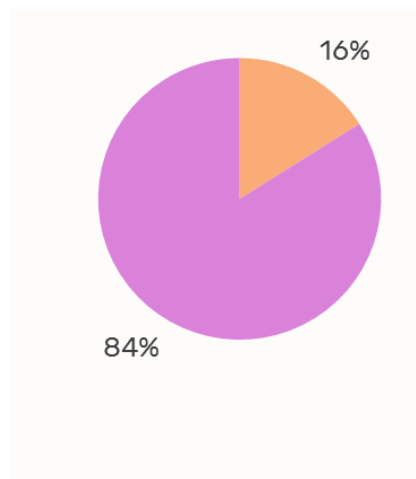
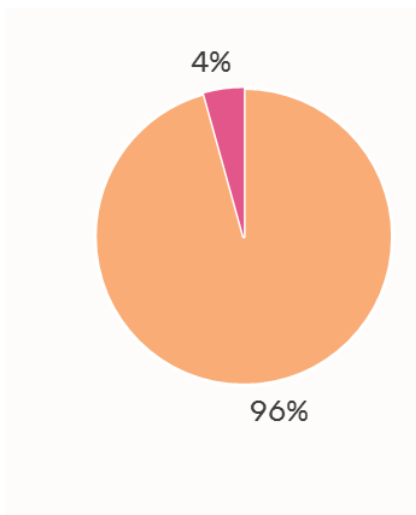
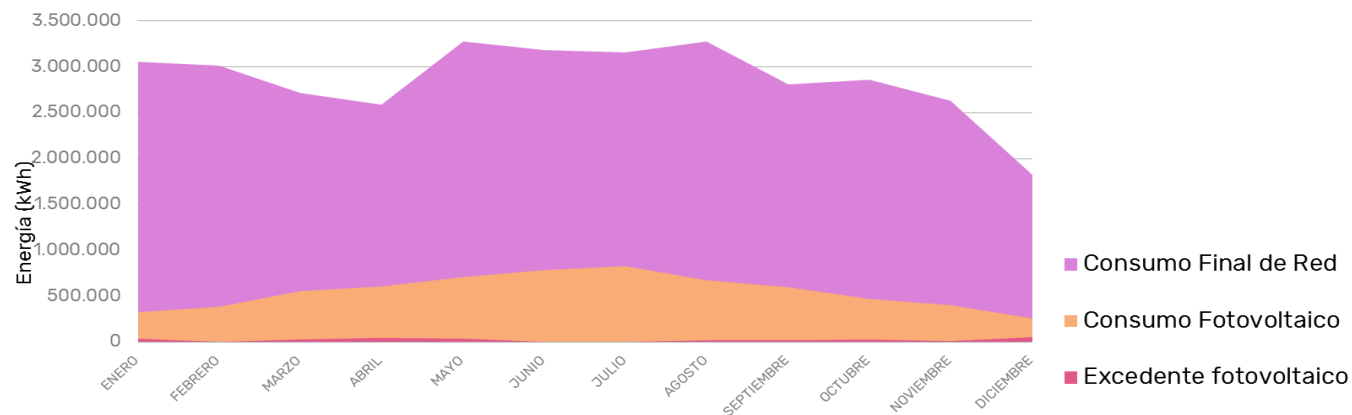
System made to measure according to the needs of the industry. Maximizing savings and return on investment period.





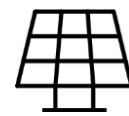
SUCCESS STORIES

Annual energy consumption:



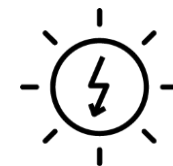
Power installed:

4,100.4 kWp



Number of panels:

12,240



Surface necessary:

30,000 m²

Estimated total savings from the first year:

423,350€

THANK YOU!

Pablo Pérez-Bedmar Fdez.
pablo.perezbedmar@powen.es



It all starts with the sun