



rem **TEC**

# HOW TO INCREASE ENERGY PRODUCTION FOR SELF-CONSUMPTION

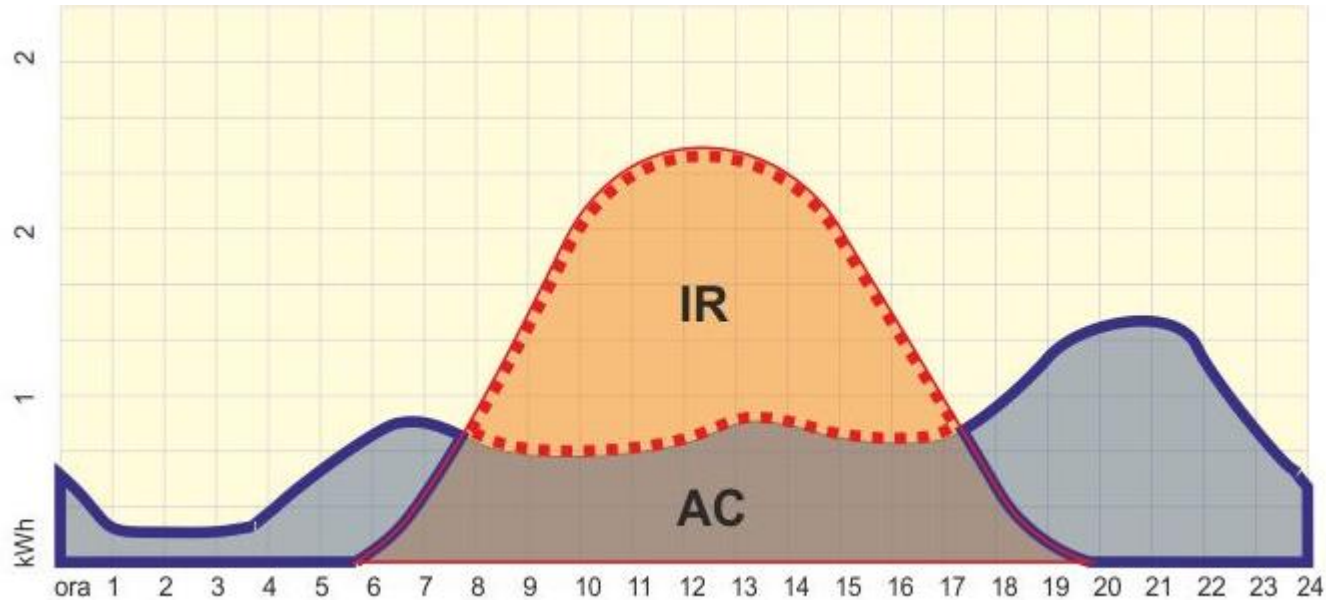
**GREENPOWER** **TO THE PEOPLE**



# WHAT IS SELF-CONSUMPTION?

## ‘Self-consumption on site’:

- Energy used on-demand



Cost of energy in the bill: 0,18 – 0,25 €/kWh

Cost of energy: 0,04 – 0,08 €/kWh

} → **YOUR  
BENEFIT**

# NET-METERING SYSTEM

Grid

Storage

Counter

Inverter

Agrovoltaico®



Photovoltaic energy

Energy from the grid

Electric line





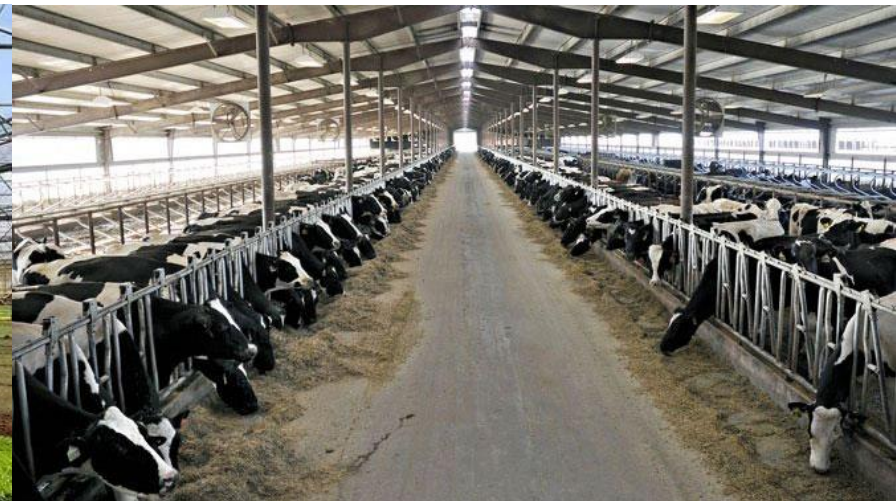
# AGROVOLTAICO® FOR SELF-CONSUMPTION

## Energy consumption:

- Heating
- Cooling
- A/C devices
- Electrical equipment

## Examples of sectors of interest:

- Greenhouses
- Dairy sector
- Agricultural products transformation
- Energy needed companies





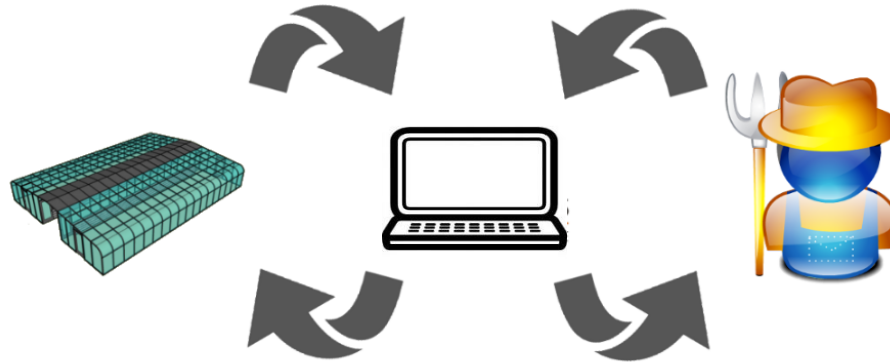
# AGROVOLTAIC GREENHOUSES

- Optimisation of internal climatic conditions
- Shadow management

**The target is to reach the best balance between electric and agricultural production**



# ECONOMIC BALANCE



- Hp:**
- Annual electricity need: 155000 kWh/y
  - AGROVOLTAICO® plant 115,2 kW: 159000 kWh/y
  - 60% self-consumed
  - 40% energy bought from the grid

**Return of the investment: approx. 5 years**



# HANGAR AGROVOLTAICO®

The hangar structure can be integrated into the Agrovoltaico® system.

In this way clean energy can be produced for self-consumption through a unique structure.



# THE FUTURE SCENARIO

## **AGROVOLTAICO®** **High efficient photovoltaic technology integrated with high value agriculture**







rem **TEC**

ENERGY  
AND  
AGRICULTURE:  
**AGROVOLTAICO®**

**GREEN** POWER **TO** THE **PEOPLE**



**THANK YOU FOR YOUR ATTENTION**

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