



rem **TEC**

GREENPOWER **TO THE PEOPLE**

AGROVOLTAICO® PRESENTATION



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ABOUT US



Rem Tec is an Italian company active in the renewable energy sector for agricultural applications.





OUR TARGET

Our target is to produce clean energy leaving the land available for agriculture, this is

Agrovoltaico®

- ❖ **Sustainaility**: producing electric energy to preserve the environment.
- ❖ **Preserve** the agricultural reality.
- ❖ **Integrate** new technologies in the surrounding environment.





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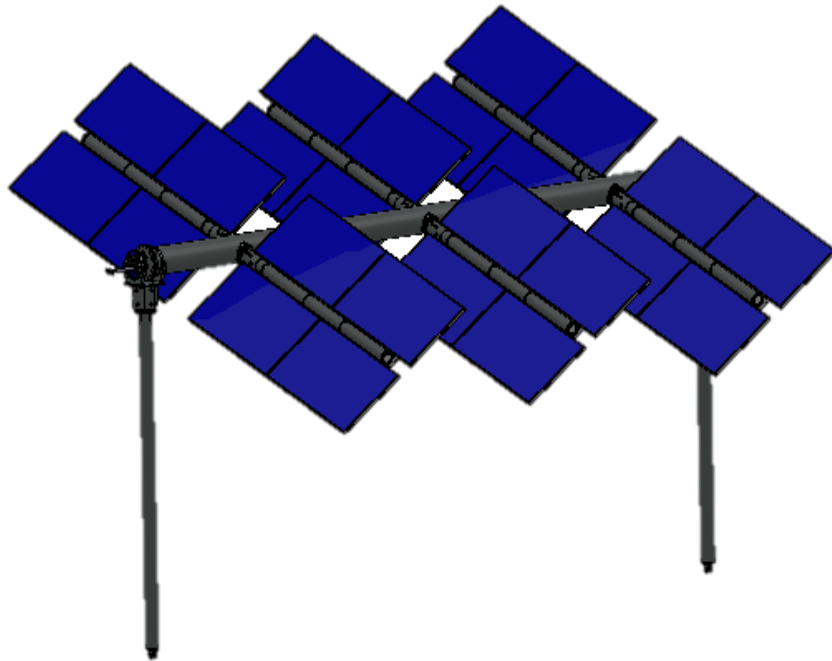
WHAT IS AGROVOLTAICO® ?

- ❖ **Innovative** PV system that combine two fundamental needs: food and energy production.
- ❖ **Solar tracking system**, single or double axis.
- ❖ **The height is 4.5 meters or more**, to allow agricultural machinery to work underneath.



THE TECHNOLOGY

Agrovoltaico® is a modular system, based on the main unit, called **tracker**. Each tracker is composed by:



- ❖ A support structure made by 2 vertical poles;
- ❖ An horizontal steel profile able to rotate around its axis;
- ❖ 3 smaller profile mounted perpendicular to the horizontal axis, able to rotate around their axes;
- ❖ 24 PV modules, which rotates to follow the sun path during the day.

ADVANTAGES

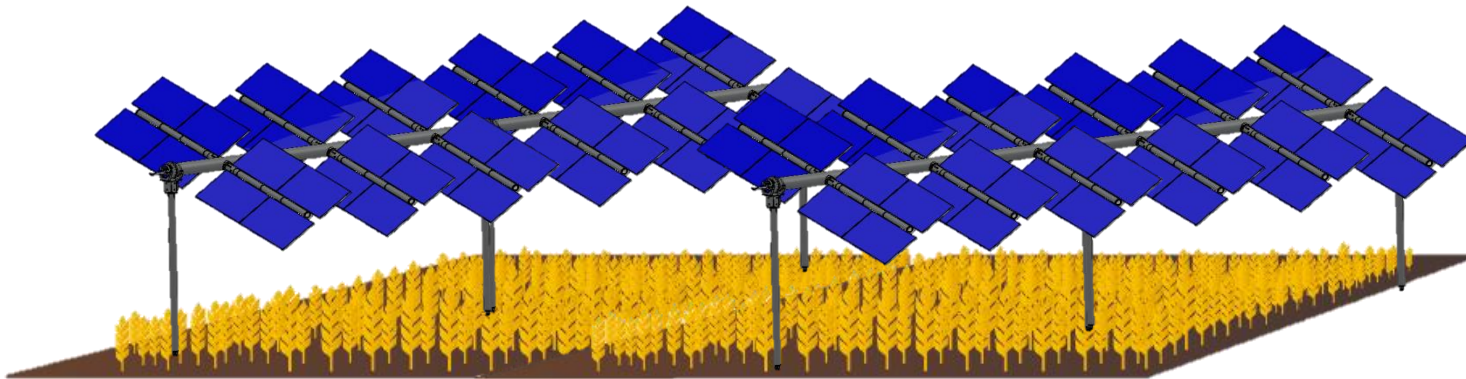
- ❖ HIGH EFFICIENCY (+45% compared to a fixed plant)
- ❖ INTELLIGENT SHADOW MANAGEMENT
- ❖ NOT INVESIVE
- ❖ RESISTENT



LAND VALORIZATION



100 % agriculture + 100 % energy = 100 % agriculture
100 % energy



95-105 % agriculture + 95-105 % agriculture = 190 - 210 % agriculture
100 % energy 100 % energy 200 % energy

POSSIBLE APPLICATIONS



AGROVOLTAIC
HANGAR AND
GREENHOUSES

AGROVOLTAICO® IN THE WORLD

China

Agrovoltaico® plant on rice crops
(2016)

3 new plants (2018)



Japan

Agrovoltaico® plant on
green matcha tea

2 plants (2018)





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ENERGY AND AGRICULTURE: **AGROVOLTAICO®**

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



THANK YOU FOR YOUR ATTENTION

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